## Ethics Check

(5-10 min.)
For each of the situations listed, identify which of three principles (integrity, objectivity and independence, or due care) from the AICPA Code of Professional Conduct is violated. Assume all persons listed in the situations are members of the AICPA.

## Solution:

| a. | Due care |
| :--- | :--- |
| b. |  |

b. Due care
c. Objectivity and independence
d. Integrity

S2-1
(5 min.)
Indicate whether each item would be considered to be a transaction at Gerbig Pet Grooming Corporation.

## Solution:

| a. | Yes |
| :--- | :--- |
| b. | Yes |
| c. | No (no dollars involved yet) |
| d. | Yes |
| e. | No (no dollars involved) |
| f. | Yes |
| g. | No (no dollars involved yet) |
| h. | Yes |

S2-2
(5 min.)
Identify whether each item is an asset, liability, or equity account.

## Solution:

| a. | L |
| :--- | :---: |
| b. | A |
| c. | L |
| d. | L |
| e. | E |
| f. | E |
| g. | A |
| h. | A |
| i. | E |
| j. | A |

## S2-3

(5 min.)
Dan Crater opened a software consulting firm that immediately paid \$28,000 for a computer system. Was Crater's computer system an expense of the business? If not, explain.

## Solution:

Crater's payment was not an expense.
Crater acquired an asset, Equipment, because the computer is an economic resource of the business.

## S2-4

(5 min.)
For each of the following items, give an example of a transaction that has the described effect on Dazzle's accounting equation.

## Solution:

| a. | Purchase of asset for cash <br> Sale of asset for cash <br> Collection of an account receivable |
| :---: | :--- |
| b. | Issuance of stock <br> Revenue transaction (ex: provided services on account or for cash) |
| c. | Purchase of asset on account <br> Borrow money |
| d. | Declaration and payment of dividends to owners <br> Expense transaction (ex: received and paid utility bill) |
| e. | Pay a liability <br> Return an asset purchased on account |

## S2-5 <br> (5-10 min.)

## Requirements

Complete the following chart to show the impact on the accounting equation from each transaction.

## Solution:



S2-6
(5 min.)
a. How much in total assets does Ford have?
b. How much in liabilities does Ford owe?

## Solution:

| a. | $\$ 10,500(\$ 8,000+\$ 2,500+\$ 7,200-\$ 7,200)$ |
| :--- | :--- |
| b. | $\$ 2,500$ |

S2-7
(5-10 min.)

1. Set up the following T-accounts of Fourth Investments, Inc.: Cash, Computer Equipment, Accounts Payable, and Common Stock.
2. Record the first two transactions of the business directly in the T- accounts without using a journal.
3. Show that total debits equal total credits.

## Solution:

Reqs 1, 2

| Cash |  |
| ---: | :--- |
| 200,000 |  |
|  |  |


| Computer Equipment |  |
| ---: | ---: |
| 56,000 |  |
|  |  |


| Accounts Payable |  |
| :--- | ---: |
|  | 56,000 |
|  |  |


| Common Stock |  |
| :--- | :--- |
|  | 200,000 |
|  |  |

## Req 3

Total debits $=\$ 256,000(\$ 200,000+\$ 56,000)$
Total credits $=\$ 256,000(\$ 56,000+\$ 200,000)$

S2-8
(5-10 min.)
After these transactions, how much cash does the business have to work with? Use a Taccount to show your answer.

## Solution:

| Cash |  |  |  |
| :--- | ---: | ---: | :---: |
| Jul. 1 | 26,000 | 5,500 |  |
| Jul. 6 | 8,500 |  |  |
| Bal. | 29,000 |  |  |

S2-9
(10 min.)
Journalize the transactions of Donovan Freeman, Architect. Include an explanation with each journal entry.

## Solution:

| Journal |  |  |  |
| :---: | :--- | ---: | ---: |
| DATE |  | ACCOUNT TITLES AND EXPLANATION | DEBIT |
| July CREDIT |  |  |  |
| 22 | Cash <br> Note Payable <br> Borrowed money from the bank. <br> Accounts Receivable <br> Service Revenue <br> Performed service on account. <br> Cash <br> Accounts Receivable <br> Received cash on account. <br> Utilities Expense <br> Cash <br> Paid utility bill. <br> Salary Expense <br> Cash <br> Paid salary expense. | 64,000 | 17,300 |

S2-10
(10-15 min.)

1. Journalize the two transactions on the books of Mary Gervais, Consultant. Include an explanation for each transaction.
2. Open a T-account for Accounts Payable and post to Accounts Payable.

Compute the balance and denote it as Bal.
3. How much does the business owe after both transactions? In which account does this amount appear?

## Solution:

Req. 1

| Journal |  |  | DEBIT |
| :---: | :--- | ---: | ---: |
| DATE | ACCOUNT TITLES AND EXPLANATION | 4,300 | 4,300 |
|  | Supplies <br> Accounts Payable <br> Purchased supplies on account. <br> Accounts Payable <br> Cash <br> Paid cash on account.$\sqrt{3,450}$ | 3,450 |  |

Req. 2

| Accounts Payable |  |  |
| ---: | :--- | ---: |
| 3,450 |  | 4,300 |
|  | Bal. | 850 |

Req. 3
The business owes \$850, as shown in the Accounts Payable account.

S2-11
(10-15 min.)

1. Record the two transactions on the books of Orman Consulting. Include an explanation for each transaction.
2. Post to these T-accounts: Cash, Accounts Receivable, and Service Revenue. Compute each account balance and denote it as Bal.

## Solution:

Req. 1

| Journal |  |  |  |
| ---: | :--- | ---: | ---: |
| DATE | ACCOUNT TITLES AND EXPLANATION | DEBIT | CREDIT |
|  | Accounts Receivable <br> Service Revenue <br> Performed service on account. <br> Cash <br> Accounts Receivable <br> Received cash on account. | 4,600 | 4,600 |

Req. 2

| Cash |  |  |
| :--- | ---: | :--- |
|  | 2,100 |  |
| Bal. | 2,100 |  |


| Accounts Receivable |  |  |
| :--- | ---: | ---: |
|  | 4,600 | 2,100 |
| Bal. | 2,500 |  |


| Service Revenue |  |  |
| :--- | :--- | ---: |
|  |  | 4,600 |
|  | Bal. | 4,600 |

S2-12
(15-20 min.)
Journalize the following transactions. Include dates and a brief explanation for each journal entry.

## Solution:

| Journal |  |  |  |
| :---: | :---: | :---: | :---: |
| DATE | ACCOUNT TITLES AND EXPLANATION | DEBIT | CREDIT |
| July 1 | Cash <br> Common Stock <br> Issued stock to owner. | 13,000 | 13,000 |
| 5 | Accounts Receivable <br> Service Revenue <br> Provided (sold) services on account. | 8,000 | 8,000 |
| 9 | Office Supplies Accounts Payable Purchased supplies on account. | 600 | 600 |
| 10 | Cash <br> Service Revenue <br> Provided (sold) services for cash. | 3,100 | 3,100 |
| 12 | Cash <br> Accounts Receivable Collected cash on account. | 8,000 | 8,000 |
| 24 | Accounts Payable $\quad$ Cash Paid on account. | 600 | 600 |
| 25 | Utilities Expense Cash Paid expenses. | 450 | 450 |
| 30 | Office Furniture <br> Note Payable <br> Purchased furniture with note payable. | 2,500 | 2,500 |
| 31 | Salary Expense Cash Paid payroll. | 3,100 | 3,100 |

S2-13
(10 min.)
Prepare the trial balance of Harbor Marine Company at December 31, 2018. List the accounts in their proper order. How much was the company's net income or net loss?

## Solution:

| Harbor Marine Company <br> Trial Balance <br> December 31, 2018 |  |  |
| :---: | :---: | :---: |
| ACCOUNT | DEBIT | CREDIT |
|  | Millions |  |
| Cash | \$ 4 |  |
| Other assets | 20 |  |
| Accounts payable |  | \$ 6 |
| Other liabilities |  | 2 |
| Stockholders' equity |  | 5 |
| Revenues |  | 37 |
| Expenses | 26 |  |
| Total | \$ 50 | \$ 50 |

Harbor Marine Company's net income: $\$ 11$ million (\$37-\$26)

S2-14
(10 min.)
Calculate these amounts for the business:

1. Total assets
2. Total liabilities
3. Net income or net loss during December

## Solution:

1. Total assets $=\$ 101,500(\$ 4,500+\$ 28,000+\$ 5,000+\$ 45,000+\$ 19,000)$
2. Total liabilities $=\$ 61,000(\$ 39,000+\$ 22,000)$
3. Net income (loss) $=\$ 17,500(\$ 56,000-\$ 27,000-\$ 10,000-\$ 1,500)$

S2-15
(10 min.)
The purpose of this exercise is to help you learn how to correct three common accounting errors.

## Solution:

Error 1.
Total debits $=\$ 99,500(\$ 140,000+\$ 4,500-\$ 45,000)$
Total credits $=\$ 140,000$
Difference $=\$ 40,500$ (\$140,000 - \$99,500);
$\$ 40,500$ / $9=\$ 4,500$ (an integer), which suggests either a transposition or a slide.

## Error 2.

Total debits $=\$ 194,000(\$ 140,000+\$ 82,000-\$ 28,000)$
Total credits $=\$ 140,000$
Difference $=\$ 54,000$ (\$194,000 - \$140,000);
$\$ 54,000 / 9=\$ 6,000$ (an integer), which suggests either a transposition or a slide.

## Error 3.

Total debits $=\$ 112,000(\$ 140,000-\$ 28,000)$
Total credits $=\$ 168,000(\$ 140,000+\$ 28,000)$
Difference $=\$ 56,000(\$ 168,000-\$ 112,000)$
$\$ 56,000 / 2=\$ 28,000$ (original amount of accounts receivable).

S2-16
(10 min.)
Match the accounting terms with the corresponding definition. or meaning at the right.

## Solution:

| $\underline{E}$ | 1. Posting |
| :--- | :--- |
| $\underline{A}$ | 2. Expense |
| $\underline{K}$ | 3. Debit |
| $\underline{H}$ | 4. Trial Balance |
| $\underline{F}$ | 5. Equity |
| $\underline{G}$ | 6. Net income |
| $\underline{B}$ | 7. Receivable |
| $\underline{D}$ | 8. Chart of accounts |
| $\underline{I}$ | 9. Payable |
| $\underline{J}$ | 10. Journal |
| $\underline{C}$ | 11. Normal balance |
| $\underline{\underline{L}}$ | 12. Ledger |

E2-17A
(15-20 min.)

## Requirements

1. What criteria does an event have to meet to qualify as a financial transaction? Identify which of the listed events are financial transactions.
2. Journalize each of the transactions.
3. Indicate how the company's assets, liabilities, and equity would be impacted by each transaction.

## Solution:

Req. 1
In order to qualify as a financial transaction, there must be an event that has a financial
impact on a business and can be measured reliably. Thus, the May events that do not meet these criteria include May 8 and May 18.

Req. 2

| Journal |  |  |  |
| :---: | :---: | :---: | :---: |
| DATE | ACCOUNT TITLES AND EXPLANATION | DEBIT | CREDIT |
| May 1 | Cash <br> Ticket Revenue <br> Sold admission tickets. | 100,000 | 100,000 |
| 3 | $\begin{aligned} & \text { Inventory } \\ & \quad \text { Accounts Payable } \\ & \text { Purchased merchandise inventory on account. } \end{aligned}$ | 5,000 | 5,000 |
| 6 | Cash Rental Revenue Rented lockers to guests. | 500 | 500 |
| 15 | Salary Expense Cash Paid employees. | 75,000 | 75,000 |
| 20 | Cash <br> Note Payable <br> Borrowed money from bank. | 200,000 | 200,000 |

Req. 3

|  | Assets | Liabilities | Stk. Equity |
| :---: | :---: | :---: | :---: |
| Date | Incr Decr | Incr Decr | Incr Decr |
| May 1 | X |  | X |
| May 3 | X | X |  |
| May 6 | X |  | X |
| May 15 | X |  | X |
| May 20 | X | X |  |

E2-18A
(10-15 min.)

## Requirements

Set up the following T-accounts: Cash, Accounts Receivable, Office Supplies, Office
Furniture, Accounts Payable, Common Stock, Dividends, Service Revenue, Salary Expense, and Rent Expense. Record the transactions directly in the T-accounts without using a journal. Determine the ending balance in each account.

## Solution:

| Cash |  |  |  |
| :--- | ---: | ---: | ---: |
| (a) | 25,500 | (b) | 1,500 |
|  |  | (d) | 2,900 |
|  |  | (e) | 250 |
|  |  | (g) | 2,000 |
| Bal. | 18,850 |  |  |


| Accounts Receivable |  |  |
| :--- | ---: | ---: |
| (f) | 11,000 |  |
| Bal. | 11,000 |  |


| Office Supplies |  |  |
| :--- | ---: | ---: |
| (c) | 700 |  |
| Bal. | 700 |  |


| Office Furniture |  |  |
| :--- | ---: | ---: |
| (a) | 9,400 |  |
| Bal. | 9,400 |  |


| Accounts Payable |  |  |
| :--- | :--- | :--- |
| (e) | 250 | (c) |


| Common Stock |  |  |
| :--- | :--- | :--- |
|  | (a) | 34,900 |
|  | Bal. | 34,900 |


| Dividends |  |  |
| :--- | :--- | :--- |
| $(\mathrm{g})$ | 2,000 |  |
| Bal. | 2,000 |  |


| Service Revenue |  |  |
| :--- | :--- | :--- |
|  | (f) | 11,000 |
|  | Bal. | 11,000 |


| Salary Expense |  |  |
| :--- | ---: | ---: |
| (d) | 2,900 |  |
| Bal. | 2,900 |  |


| Rent Expense |  |  |
| :--- | ---: | ---: |
| (b) | 1,500 |  |
| Bal. | 1,500 |  |

E2-19A
(10-15 min.)
State whether each event (1) increased, (2) decreased, or (3) had no effect on the total assets of the business. Identify any specific asset affected.

## Solution:

| a. | Decreased assets (Cash) |
| :---: | :--- |
| b. | No effect on total assets. Increase in land offsets the decrease in cash. |
| c. | No effect on total assets. Increase in cash offsets the decrease in land. |
| d. | No effect on total assets. Increase in cash offsets the decrease in accounts receivable. |
| e. | Increased assets. (Equipment) |
| f. | No effect. (A personal transaction) |
| g. | Decreased assets (Cash) |
| h. | Increased assets. (Office supplies) |
| i. | Increased assets. (Cash) |
| j. | Increased assets (Cash) |

## E2-20A

(15-20 min.)

## Requirements

1. Analyze the effects of these events on the accounting equation of the medical practice of

Dr. Helen Samoa, P.C.
2. After completing the analysis, answer these questions about the business.
a. How much are total assets?
b. How much does the business expect to collect from patients?
c. How much does the business owe in total?
d. How much of the business's assets does Samoa really own?
e. How much net income or net loss did the business experience during its first month of operations?

## Solution:



```
Req. 2
    \begin{tabular}{l|lr} 
a. & \(\$\) & 190,000 \\
b. & \(\$\) & 4,900
\end{tabular}
        \$ 4,900
    \(\$ 35,100(\$ 1,100+\$ 34,000)\)
    \$154,900 (\$190,000 - \$35,100, or \$150,000 + \$4,900)
    \(\$ 4,900\) (Revenue, \(\$ 9,800\) minus expenses, \(\$ 4,900\) equals net income, \(\$ 4,900\).)
```

E2-21A
(10-15 min.)

## Requirement

1. Record the transactions in the journal of Dr. Helen Samoa, P.C. List the transactions by date and give an explanation for each transaction.

## Solution:

| Journal |  |  |  |
| :---: | :---: | :---: | :---: |
| DATE | ACCOUNT TITLES AND EXPLANATION | DEBIT | CREDIT |
| Dec. 6 | Cash Common Stock Issued stock to owner. | 150,000 | 150,000 |
| 9 | Land Cash <br> Purchased land. | 64,000 | 64,000 |
| 12 | Medical Supplies Accounts Payable Purchased supplies on account. | 2,400 | 2,400 |
| 15 | Not a transaction of the business. |  |  |
| 15-31 | Cash <br> Accounts Receivable <br> Service Revenue <br> Performed service for cash and on account. | $\begin{aligned} & 4,900 \\ & 4,900 \end{aligned}$ | 9,800 |
| 15-31 | Salary Expense Rent Expense Utilities Expense Cash <br> Paid expenses. | $\begin{array}{r} 3,600 \\ 900 \\ 400 \end{array}$ | 4,900 |
| 31 | Cash <br> Medical Supplies Sold supplies. | 1,000 | 1000 |
| 31 | Cash <br> Note Payable Borrowed money. | 34,000 | 34,000 |
| 31 | Accounts Payable Cash <br> Paid on account. | 1,300 | 1,300 |

## E2-22A

(20-30 min.)

## Requirements

1. After journalizing the transactions of Exercise 2-20A, post the entries to the ledger, using T-accounts. Key transactions by date. Determine the ending balance in each account. 2. Prepare the trial balance of Dr. Helen Samoa, P.C., at December 31, 2018. 3. From the trial balance, determine total assets, total liabilities, and total stockholders' equity on December 31.

## Solution:

| Cash |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: |
| Dec. 6 | 150,000 | Dec. 9 | 64,000 |  |
| $15-31$ | 4,900 | $15-31$ | 4,900 |  |
| 31 | 1,000 | 31 | 1,300 |  |
|  | 31 | 34,000 |  |  |
| Bal. | 119,700 |  |  |  |


| Accounts Receivable |  |  |
| :--- | ---: | ---: |
| Dec | $15-31$ | 4,900 |
| Bal. | 4,900 |  |
|  |  |  |
|  |  |  |


| Medical Supplies |  |  |  |  |
| :--- | ---: | ---: | :--- | ---: |
| Dec. | 12 | 2,400 | Dec. 31 | 1,000 |
| Bal. | 1,400 |  |  |  |


| Land |  |  |
| :--- | :--- | :--- |
| Dec. 9 | 64,000 |  |
| Bal. | 64,000 |  |


| Accounts Payable |  |  |  |  |
| :--- | ---: | ---: | :--- | :--- |
| Dec. | 31 | 1,300 | Dec. 12 | 2,400 |
|  | Bal. | 1,100 |  |  |


| Note Payable |  |  |  |
| :--- | :--- | :--- | :--- |
|  | Dec. | 31 | 34,000 |
|  | Bal. |  | 34,000 |


| Common Stock |  |  |  |
| :--- | :--- | :--- | :--- |
|  | Dec. 6 | 150,000 |  |
|  | Bal. | 150,000 |  |


| Service Revenue |  |  |
| :--- | :--- | :--- |
|  | Dec. 15-31 | 9,800 |
|  | Bal. | 9,800 |


| Salary Expense |  |  |
| :--- | ---: | ---: |
| Dec. 15-31 | 3,600 |  |
| Bal. | 3,600 |  |


| Rent Expense |  |  |
| :--- | ---: | ---: |
| Dec. 15-31 | 900 |  |
| Bal. | 900 |  |


| Utilities Expense |  |  |
| :--- | ---: | ---: |
| Dec. 15-31 | 400 |  |
| Bal. | 400 |  |


| Dr. Helen Samoa, P.C. <br> Trial Balance <br> December 31, 2018 |  |  |
| :--- | ---: | ---: |
| ACCOUNT | DEBIT | CREDIT |
| Cash | $\$ 119,700$ |  |
| Accounts receivable | 4,900 |  |
| Medical supplies | 1,400 |  |
| Land | 64,000 |  |
| Accounts payable |  | $\$$ |
| Note payable |  | 1,100 |
| Common stock |  | 34,000 |
| Service revenue | 3,600 |  |
| Salary expense | 900 |  |
| Rent expense | 400 |  |
| Utilities expense | $\$ 194,900$ | $\$ 194,900$ |
| Total |  |  |

Req. 3

| Total assets $(\$ 119,700+\$ 4,900+\$ 1,400+\$ 64,000)$ | $\$ 190,000$ |
| :--- | :--- |
| Total liabilities $(\$ 1,100+\$ 34,000)$ | $\frac{(35,100)}{}$ |
| Total stockholders' equity $\left(\$ 150,000+\$ 4,900^{*}\right)$ | $\$ 154,900$ |

${ }^{*}$ Net income $=\$ 4,900(\$ 9,800-\$ 3,600-\$ 900-\$ 400)$

E2-23A
(10-15 min.)

## Requirements

Prepare the journal entries that served as the sources for the seven transactions. Include an explanation for each entry. Determine the ending balance in each account. As Frontier moves into the next period, how much cash does the business have? How much does Frontier owe in total liabilities?

## Solution:

Req. 1

| Journal |  |  |  |
| :---: | :---: | :---: | :---: |
|  | ACCOUNT TITLES AND EXPLANATION | DEBIT | CREDIT |
| 1. | Cash Common Stock Issued common stock. | 8,500 | 8,500 |
| 2. | Cash <br> Note Payable <br> Borrowed money; signed note payable. | 9,000 | 9,000 |
| 3. | Supplies <br> Accounts Payable <br> Purchased supplies on account. | 800 | 800 |
| 4. | Land <br> Cash <br> Note Payable <br> Purchased land by paying cash and signing a note payable. | 38,000 | $\begin{aligned} & 13,000 \\ & 25,000 \end{aligned}$ |
| 5. | Cash Supplies Sold supplies for cash. | 45 | 45 |
| 6. | Accounts Payable Cash <br> Paid cash on account. | 310 | 310 |
| 7. | Equipment Cash <br> Paid cash for equipment. | 3,900 | 3,900 |

[^0]E2-24A
(10-20 min.)

## Requirements

1. Prepare the company's trial balance at April 30, 2018, listing accounts in proper sequence, as illustrated in the chapter. For example, Accounts Receivable comes before Equipment. List the expense with the largest balance first, the expense with the next largest balance second, and so on.
2. Prepare the financial statement for the month ended April 30, 2018, which will show the company the results of operations for the month.

## Solution:

Req 1.

| Deluxe Patio Service, Inc. <br> Trial Balance <br> April 30, 2018 |  |  |
| :--- | ---: | ---: |
| ACCOUNT | DEBIT | CREDIT |
| Cash | $\$ 19,300$ |  |
| Accounts receivable | 5,900 |  |
| Equipment | 30,600 |  |
| Accounts payable |  | $\$ 4,600$ |
| Note payable |  | 21,500 |
| Common stock |  | 16,700 |
| Retained earnings | 3,300 | 6,300 |
| Dividends | 8,300 | 20,700 |
| Service revenue | 2,100 |  |
| Salary expense | 300 |  |
| Utilities expense | 69,800 | $\$ 869,800$ |
| Delivery expense |  |  |
| Total |  |  |

Req 2.
Deluxe Patio Service, Inc.
Income Statement
For the Month Ended April 30, 2018

| Service revenue |  | $\$ 20,700$ |  |
| :--- | ---: | :--- | ---: |
| Salary expense | $\$ 8,300$ |  |  |
| Utilities expense | 2,100 |  |  |
| Delivery expense | 300 |  |  |
| Total expenses |  | 10,700 |  |
| Net income |  | $\$ 10,000$ |  |

E2-25A
(15-25 min.)

## Requirement

1. Prepare the correct trial balance at September 30, 2018, complete with a heading. Journal entries are not required.

## Solution:

| Addison, Inc. <br> Trial Balance <br> September 30, 2018 |  |  |
| :--- | ---: | ---: |
| ACCOUNT | DEBIT | CREDIT |
| Cash | $\$ 14,800$ |  |
| Accounts receivable | 12,000 |  |
| Inventory | 16,900 |  |
| Supplies | 800 |  |
| Land | 59,000 |  |
| Accounts payable |  | $\$ 13,600$ |
| Common stock |  | 47,300 |
| Sales revenue | 3,400 | 49,700 |
| Insurance expense | 2,000 |  |
| Salary expense | 1,000 |  |
| Rent expense | 700 |  |
| Utilities expense |  | $\$ 110,600$ |
| Total | $\$ 110,600$ |  |

Computations:
Cash: $\$ 14,100+\$ 700=\$ 14,800$
Accounts Receivable: $\$ 12,700-\$ 700=\$ 12,000$
Accounts Payable: $\$ 12,300+\$ 1,000-\$ 100+\$ 400=\$ 13,600$
Common Stock: $\$ 47,100+\$ 200=\$ 47,300$
Insurance Expense: $\$ 0+\$ 3,400=\$ 3,400$
Utilities Expense: $\$ 300+\$ 400=\$ 700$

E2-26A
(15-20 min.)

1. Solve for Cash.
2. Prepare the trial balance of Old Center at September 30, 2018. List the accounts in their proper order. How much was Old Center Company's net income or net loss?

## Solution:

Req. 1
(amounts in millions)

Cash (X) + Other assets (23) = Accounts payable (8) + Other liabilities (2) + S/E (6) + Revenues (33) - Expenses (21)

Cash $(X)=5$

Req. 2
Old Center Company
Trial Balance
September 30, 2018

| ACCOUNT | DEBIT | CREDIT |
| :--- | ---: | ---: |
| Cash | $\$ 5$ |  |
| Other assets | 23 |  |
| Accounts payable |  | $\$ 8$ |
| Other liabilities |  | 2 |
| Stockholders' Equity |  | 6 |
| Revenues |  | 31 |
| Expenses | $\$ 49$ |  |
| Total |  | $\$ 49$ |

Net income is $\$ 12$ (\$33-\$21)

E2-27B
(15-20 min.)

## Requirements

1. What criteria does an event have to meet to qualify as a financial transaction? Identify which of the listed events are financial transactions.
2. Journalize each of the transactions.
3. Indicate how the company's assets, liabilities, and equity would be impacted by each transaction.

## Solution:

Req. 1
In order to qualify as a financial transaction, there must be an event that has a financial impact on a business and can be measured reliably. Thus, the May events that do not meet these criteria include May 8 and May 18.

Req. 2

| Journal |  |  |  |
| :---: | :---: | :---: | :---: |
| DATE | ACCOUNT TITLES AND EXPLANATION | DEBIT | CREDIT |
| May 1 | Cash <br> Ticket Revenue <br> Sold admission tickets. | 150,000 | 150,000 |
| 3 | ```Inventory Accounts Payable Purchased merchandise inventory on account``` | 9,000 | 9,000 |
| 6 | Cash <br> Rental Revenue Rented lockers to guests. | 700 | 700 |
| 15 | Salary Expense Cash Paid employees. | 92,000 | 92,000 |
| 20 | Cash <br> Note Payable <br> Borrowed money from bank. | 400,000 | 400,000 |

Req. 3

|  | Assets | Liabilities | Stk. Equity |
| :---: | :---: | :---: | :---: |
| Date | Incr Decr | Incr Decr | Incr Decr |
| May 1 | X |  | X |
| May 3 | X | X |  |
| May 6 | X |  | X |
| May 15 | X |  | X |
| May 20 | X | X |  |

E2-28B
(10-15 min.)

Record the following transactions directly in the T-accounts without using a journal. Use the letters to identify the transactions. Determine the ending balance in each account.

## Solution:

| Cash |  |  |  |
| :--- | ---: | ---: | ---: |
| (a) | 23,500 | (b) | 1,100 |
|  |  | (d) | 2,800 |
|  |  | (e) | 200 |
|  |  | (g) | 2,900 |
| Bal. | 16,500 |  |  |


| Accounts Receivable |  |  |
| :--- | ---: | ---: |
| (f) | 10,700 |  |
| Bal. | 10,700 |  |


| Office Supplies |  |  |
| :--- | ---: | ---: |
| (c) | 800 |  |
| Bal. | 800 |  |


| Office Furniture |  |  |
| :--- | ---: | ---: |
| (a) | 8,600 |  |
| Bal. | 8,600 |  |


| Accounts Payable |  |  |  |
| :--- | :--- | :--- | :---: |
| (e) 200 | (c) | 800 |  |
|  | Bal. | 600 |  |


| Common Stock |  |  |
| :--- | :--- | :--- |
|  | (a) | 32,100 |
|  | Bal. | 32,100 |


| Dividends |  |  |
| :--- | :--- | :--- |
| $(\mathrm{g})$ | 2,900 |  |
| Bal. | 2,900 |  |


| Service Revenue |  |  |
| :--- | :--- | :--- |
|  | (f) | 10,700 |
|  | Bal. | 10,700 |


| Salary Expense |  |  |
| :--- | ---: | ---: |
| (b) | 2,800 |  |
| Bal. | 2,800 |  |


| Rent Expense |  |  |
| :--- | :--- | :--- |
| (d) | 1,100 |  |
| Bal. | 1,100 |  |

E2-29B
(10-15 min.)
State whether each event (1) increased, (2) decreased, or (3) had no effect on the total assets of the business. Identify any specific asset affected.

## Solution:

a. No effect on total assets. Increase in notes receivable offsets the decrease in land.
b. No effect on total assets. Increase in equipment offsets the decrease in cash.
c. No effect. (A personal transaction)
d. Increased assets. (Land)
e. Increased assets. (Cash)
f. Increased assets. (Accounts receivable)
g. Decreased assets. (Cash)
h. Decreased assets. (Cash)
i. Increased assets. (Cash)
j. Increased assets (Supplies)

## E2-30B

(10-20 min.)

## Requirements

1. Analyze the effects of these events on the accounting equation of the medical practice of

Dr. Char Morin, P.C
2. After completing the analysis, answer these questions about the business.
a. How much are total assets?
b. How much does the business expect to collect from patients?
c. How much does the business owe in total?
d. How much of the business's assets does Morin really own?
e. How much net income or net loss did the business experience during its first month of operations?

## Solution:

| Analysis of Transactions |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ASSETS = LIABILITIES + STOCKHOLDERS' EQUITY |  |  |  |  |  |  |  |  |
| Date | Cash | $\begin{gathered} \text { Accounts } \quad \begin{array}{c} \text { Medical } \\ + \text { Receivable } \end{array}+\text { Supplies }+ \end{gathered}$ | Land | Accounts <br> $=$ payable + | Note Payable | Common Stock | Retained <br> + Earnings | Type of Stockholders' Equity Transaction |
| July 6 | 155,000 |  |  |  |  | 155,000 |  | Issued stock |
| 9 | $(62,000)$ |  | 62,000 |  |  |  |  |  |
| 12 |  | 1,500 |  | 1,500 |  |  |  |  |
| 15 | Not a tran | saction of the business. |  |  |  |  |  |  |
| 15-31 | 4,550 | 4,550 |  |  |  |  | 9,100 | Service revenue |
| 15-31 | $(3,300)$ |  |  |  |  |  | $(3,300)$ | Salary expense |
|  | $(1,400)$ |  |  |  |  |  | $(1,400)$ | Rent expense |
|  | (400) |  |  |  |  |  | (400) | Utilities expense |
| 31 | 500 | (500) |  |  |  |  |  |  |
| 31 | 33,000 |  |  |  | 33,000 |  |  |  |
| 31 | (600) |  |  | (600) |  |  |  |  |
| Bal. | 125,350 | 4,550 $\quad$ 1,000 | $\underline{\underline{62,000}}$ | 900 | 33,000 | 155,000 | 4,000 |  |

Req. $\mathbf{2}$

| a. | $\$ 192,900$ |
| :---: | :--- |
| b. | $\$ 4,550$ |
| c. | $\$ 33,900(\$ 900+\$ 33,000)$ |
| d. | $\$ 159,000(\$ 192,900-\$ 33,900$, or $\$ 155,000+\$ 4,000)$ |
| e. | $\$ 4,000$ (Revenue, $\$ 9,100$ minus expenses, $\$ 5,100$, equals net income, $\$ 4,000)$ |

E2-31B
(10-15 min.)
Requirement

1. Record the transactions in the journal of Dr. Char Morin, P.C. List the transactions by date and give an explanation for each transaction.

## Solution:

| Journal |  |  |  |
| :---: | :---: | :---: | :---: |
| DATE | ACCOUNT TITLES AND EXPLANATION | DEBIT | CREDIT |
| July 6 | Cash Common Stock Issued stock to owner. | 155,000 | 155,000 |
| 9 | Land Cash Purchased land. | 62,000 | 62,000 |
| 12 | Medical Supplies Accounts Payable Purchased supplies on account. | 1,500 | 1,500 |
| 15 | Not a transaction of the business. |  |  |
| 15-31 | Cash | 4,550 |  |
|  | Accounts Receivable <br> Service Revenue <br> Performed service for cash and on account. | 4,550 | 9,100 |
| 15-31 | Salary Expense | 3,300 |  |
|  | Rent Expense | 1,400 |  |
|  | Utilities Expense Cash <br> Paid expenses. | 400 | 5,100 |
| 31 | Cash <br> Medical Supplies Sold supplies. | 500 | 500 |
| 31 | Cash <br> Note Payable <br> Borrowed money. | 33,000 | 33,000 |
| 31 | Accounts Payable Cash <br> Paid on account. | 600 | 600 |

## E2-32B

(20-30 min.)

## Requirements

1. Post the entries to the ledger, using T-accounts. Key transactions by date. Determine the ending balance in each account.
2. Prepare the trial balance of Dr. Char Morin, P.C., at July 31, 2018.
3. From the trial balance, determine total assets, total liabilities, and total stockholders' equity on July 31.

## Solution:

| Cash |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: |
| July | 6 | 155,000 | July | 9 |
|  | $15-31$ | 4,550 | $15-31$ | 5,100 |
|  | 31 | 500 | 31 | 600 |
|  | 31 | 33,000 |  |  |
| Bal. |  | 125,350 |  |  |


| Accounts Receivable |  |  |
| :--- | :--- | :--- |
| July 15-31 | 4,550 |  |
| Bal. | 4,550 |  |
|  |  |  |


| Medical Supplies |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: |
| July | 12 | 1,500 | July 31 | 500 |
| Bal. | 1,000 |  |  |  |


| Land |  |  |
| :--- | :--- | :--- |
| July 9 | 62,000 |  |
| Bal. | 62,000 |  |


| Accounts Payable |  |  |  |  |
| :--- | ---: | ---: | :--- | ---: |
| July | 31 | 600 | July 12 | 1,500 |
|  |  | Bal. | 900 |  |


| Note Payable |  |  |  |
| :--- | :--- | :--- | :--- |
|  | July | 31 | 33,000 |
|  | Bal. | 33,000 |  |


| Common Stock |  |  |  |
| :--- | :--- | :--- | :--- |
|  | July | 6 | 155,000 |
|  | Bal. | 155,000 |  |


| Service Revenue |  |  |
| :--- | :--- | :--- |
|  | July 15-31 | 9,100 |
|  | Bal. | 9,100 |


| Salary Expense |  |  |
| :--- | ---: | ---: |
| July 15-31 | 3,300 |  |
| Bal. | 3,300 |  |


| Rent Expense |  |  |
| :--- | ---: | ---: |
| July 15-31 | 1,400 |  |
| Bal. | 1,400 |  |


| Utilities Expense |  |  |
| :--- | ---: | ---: |
| July | $15-31$ | 400 |
| Bal. | 400 |  |


| Dr. Char Morin, P.C. <br> Trial Balance <br> July 31, 2018 |  |  |
| :--- | ---: | ---: |
| ACCOUNT | DEBIT | CREDIT |
| Cash | $\$ 125,350$ |  |
| Accounts receivable | 4,550 |  |
| Medical supplies | 1,000 |  |
| Land | 62,000 |  |
| Accounts payable |  | $\$$ |
| Note payable |  | 900 |
| Common stock |  | 153,000 |
| Service revenue | 3,300 |  |
| Salary expense | 1,400 |  |
| Rent expense | 400 |  |
| Utilities expense |  |  |
| Total |  |  |
|  |  |  |

Req. 3

| Total assets $(\$ 125,350+\$ 4,550+\$ 1,000+\$ 62,000)$ | $\$ 192,900$ |
| :--- | ---: |
| Total liabilities $(\$ 900+\$ 33,000)$ | $\frac{(33,900)}{}$ |
| Total stockholders' equity $\left(\$ 155,000+\$ 4,000^{*}\right)$ | $\$ 159,000$ |

*Net income $=\$ 4,000(\$ 9,100-\$ 3,300-\$ 1,400-\$ 400)$

E2-33B
(10-15 min.)

## Requirements

1. Prepare the journal entries that served as the sources for the seven transactions. Include an explanation for each entry. Determine the ending balance in each account. As Gallagher moves into the next period, how much cash does the business have? How much does Gallagher owe in total liabilities?

## Solution:

Req. 1

| Journal |  |  |  |
| :---: | :---: | :---: | :---: |
|  | ACCOUNT TITLES AND EXPLANATION | DEBIT | CREDIT |
| 1. | Cash Common Stock Issued common stock. | 8,800 | 8,800 |
| 2. | Cash <br> Note Payable <br> Borrowed money; signed note payable. | 8,500 | 8,500 |
| 3. | Supplies <br> Accounts Payable <br> Purchased supplies on account. | 900 | 900 |
| 4. | Land <br> Cash <br> Note Payable <br> Purchased land by paying cash and signing a note payable. | 34,000 | $\begin{aligned} & 11,000 \\ & 23,000 \end{aligned}$ |
| 5. | Cash Supplies Sold supplies for cash. | 90 | 90 |
| 6. | Accounts Payable Cash <br> Paid cash on account. | 290 | 290 |
| 7. | Equipment Cash <br> Paid cash for equipment. | 4,000 | 4,000 |

[^1]E2-34B
(10-20 min.)

## Requirements

1. Prepare the company's trial balance at April 30, 2018, listing accounts in proper sequence, as illustrated in the chapter. For example, Accounts Receivable comes before Equipment. List the expense with the largest balance first, the expense with the next largest balance second, and so on.
2. Prepare the financial statement for the month ended April 30, 2018, which will show the company the results of operations for the month.

## Solution:

Req 1.

| Specialty Deck Service, Inc. <br> Trial Balance <br> April 30, 2018 |  |  |
| :--- | ---: | ---: |
| ACCOUNT | DEBIT | CREDIT |
| Cash | $\$ 19,200$ |  |
| Accounts receivable | 5,300 |  |
| Equipment | 30,800 |  |
| Accounts payable |  | $\$ 4,300$ |
| Note payable |  | 21,000 |
| Common stock |  | 16,200 |
| Retained earnings | 3,100 | 7,800 |
| Dividends | 8,400 | 20,500 |
| Service revenue | 2,300 |  |
| Salary expense | 700 |  |
| Utilities expense | 69,800 | $\$ 869,800$ |
| Delivery expense |  |  |
| Total |  |  |

Req 2.

| Specialty Deck Service, Inc. <br> Income Statement <br> For the Month Ended April 30, 2018 |  |  |
| :--- | ---: | ---: | ---: |
| Service revenue | $\$ 8,400$ | $\$ 20,500$ |
| Salary expense | 2,300 |  |
| Utilities expense | 700 |  |
| Delivery expense |  | 11,400 |
| Total expenses |  | $\$ 9,100$ |

E2-35B
(15-25 min.)

## Requirement

1. Prepare the corrected trial balance at September 30, 2018, complete with a heading. Journal entries are not required.

## Solution:

| St. James, Inc. <br> Trial Balance <br> September 30, 2018 |  |  |
| :--- | ---: | ---: |
| ACCOUNT |  | DEBIT |
| ( CREDIT |  |  |
| Cash | $\$ 14,800$ |  |
| Accounts receivable | 12,900 |  |
| Inventory | 17,500 |  |
| Supplies | 300 |  |
| Land | 55,600 | $\$ 15,700$ |
| Accounts payable |  | 48,300 |
| Common stock |  | 46,400 |
| Sales revenue | 5,400 |  |
| Insurance expense | 1,900 |  |
| Salary expense | 1,700 |  |
| Utilities expense | 300 |  |
| Rent expense |  | $\$ 110,400$ |
| Total | $\$ 110,400$ |  |

Computations:
Cash: $\$ 14,400+\$ 400=\$ 14,800$
Accounts Receivable: \$13,300-\$400 = \$12,900
Accounts Payable: $\$ 11,500+\$ 4,000-\$ 400+\$ 600=\$ 15,700$
Common Stock: $\$ 47,900+\$ 400=\$ 48,300$
Insurance Expense: $\$ 0+\$ 5,400=\$ 5,400$
Utilities Expense: $\$ 1,100+\$ 600=\$ 1,700$

E2-36B
(15-20 min.)

1. Solve for Cash.
2. Prepare the trial balance of All Towne at September 30, 2018. List the accounts in their proper order. How much was All Towne Company's net income or net loss?

## Solution:

Req. 1
(amounts in millions)
Cash (X) + Other assets (21) = Accounts payable (5) + Other liabilities (1) + S/E (4) + Revenues (33) - Expenses (16)

Cash (X) $=6$

Req. 2

| All Towne Company <br> Trial Balance <br> September 31, 2018 |  |  |
| :--- | ---: | ---: |
| ACCOUNT | DEBIT | CREDIT |
| Cash | $\$ 6$ |  |
| Other assets | 21 |  |
| Accounts payable |  | $\$ 5$ |
| Other liabilities |  | 1 |
| Stockholders' Equity |  | 4 |
| Revenues |  | 33 |
| Expenses |  | 16 |
| Total | $\$ 43$ | $\$ 43$ |

Net income is $\$ 17(\$ 33-\$ 16)$

## Serial Exercise

(20-30 min.)

## Requirements

1. Journalize the transactions for Olivia Matthews, Certified Public Accountant. Explanations are not required.
2. Post to the T-accounts. Key all items by date and determine the ending balance in each account. Denote an account balance on May 18, 2018, as Bal.
3. Prepare a trial balance at May 18, 2018. In the Serial Exercise of Chapter 3, we add transactions for the remainder of May and will require a trial balance at May 31.

## Solution:

Req. 1

| Journal |  |  |  |
| :---: | :---: | :---: | :---: |
| Date | ACCOUNT TITLES AND EXPLANATION | DEBIT | CREDIT |
| May 2 | Cash Common Stock | 12,000 | 12,000 |
| 2 | Rent Expense Cash | 500 | 500 |
| 3 | Equipment Cash | 1,800 | 1,800 |
| 4 | Furniture Accounts Payable | 6,000 | 6,000 |
| 5 | Supplies <br> Accounts Payable | 900 | 900 |
| 9 | Cash Service Revenue | 600 | 600 |
| 12 | Utilities Expense Cash | 750 | 750 |
| 18 | Accounts Receivable Service Revenue | 3,100 | 3,100 |

Req. 2

| Cash |  |  |  |  |  |
| :--- | ---: | ---: | :--- | ---: | ---: |
| May | 2 | 12,000 | May | 2 | 500 |
|  | 9 | 600 |  | 3 | 1,800 |
|  |  |  |  | 12 | 750 |
| Bal. | 9,550 |  |  |  |  |


| Accounts Receivable |  |  |
| ---: | ---: | ---: |
| May 18 | 3,100 |  |
| Bal. | 3,100 |  |


| Supplies |  |  |
| :---: | :---: | :---: |
| May 5 | 900 |  |
| Bal. | 900 |  |


| Equipment |  |  |
| :---: | :---: | :---: |
| May 3 | 1,800 |  |
| Bal. | 1,800 |  |


| Furniture |  |  |
| :---: | :---: | :---: |
| May 4 | 6,000 |  |
| Bal. | 6,000 |  |


| Accounts Payable |  |  |  |  |
| ---: | ---: | ---: | :---: | :---: |
|  | May 4 | 6,000 |  |  |
|  | 5 | 900 |  |  |
|  | Bal. |  |  | 6,900 |


| Common Stock |  |  |
| ---: | ---: | ---: |
|  | May 2 | 12,000 |
|  | Bal. | 12,000 |


| Service Revenue |  |  |
| ---: | ---: | ---: |
|  | May 9 | 600 |
|  | 18 | 3,100 |
|  | Bal. | 3,700 |


| Rent Expense |  |  |
| :---: | ---: | ---: |
| May 2 | 500 |  |
| Bal. | 500 |  |


| Utilities Expense |  |  |
| :---: | ---: | ---: |
| May 12 | 750 |  |
| Bal. | 750 |  |

Req. 3

| Olivia Matthews, Certified Public Accountant, P.C.Trial BalanceMay 18, 2018 |  |  |  |
| :---: | :---: | :---: | :---: |
| ACCOUNT | DEBIT |  | CREDIT |
| Cash | \$ | 9,550 |  |
| Accounts receivable |  | 3,100 |  |
| Supplies |  | 900 |  |
| Equipment |  | 1,800 |  |
| Furniture |  | 6,000 |  |
| Accounts payable |  |  | \$6,900 |
| Common stock |  |  | 12,000 |
| Dividends |  | - |  |
| Service revenue |  |  | 3,700 |
| Utilities expense |  | 750 |  |
| Rent expense |  | 500 |  |
| Salary expense |  | - |  |
| Total | \$ | 22,600 | \$ 22,600 |

## Quiz

| Q2-38 | d |
| :--- | :---: |
| Q2-39 | d |
| Q2-40 | b |
| Q2-41 | d |
| Q2-42 | a |
| Q2-43 | d |
| Q2-44 | a |
| Q2-45 | d |
| Q2-46 | d |


| Q2-47 | a | $(\$ 55,000+\$ 30,000+\$ 25,000)=\$ 110,000$ |
| :--- | :--- | :--- |


| Q2-48 | b |
| :--- | :---: |
| Q2-49 | d |
| Q2-50 | d |
| Q2-51 | b |
| Q2-52 | c |
| Q2-53 | d |
| Q2-54 | c |
| Q2-55 | b |
| Q2-56 | a |
| Q2-57 | c |

P2-58A
(15-30 min.)

## Requirement

1. Write a short note to answer Veronica's questions. In your note, state the amounts of Baker's total assets, total liabilities, and net income or net loss for the year. Also show how you computed each amount.

## Solution:

Dear Veronica,
This trial balance lists the accounts of the company, along with their balances at December 31, 2018. The trial balance provides the data for computing total assets, total liabilities, and net income or net loss.

Baker Specialties reports:
a. Total assets $=\$ 395,000(\$ 13,000+\$ 49,000+\$ 5,000+\$ 103,000$ $+\$ 225,000)$
b. Total liabilities $=\$ 144,400(\$ 50,400+\$ 94,000)$
c. Net income $=\$ 31,000(\$ 160,000-\$ 55,000-\$ 3,000-\$ 64,000$ \$7,000)

## P2-59A <br> (45-60 min.)

## Requirements

1. Analyze the effects of the preceding transactions on the accounting equation of Grueser Computing, Inc.
2. Prepare the income statement of Grueser Computing, Inc., for the month ended October 31, 2018.

List expenses in decreasing order by amount.
3. Prepare the entity's statement of retained earnings for the month ended October 31, 2018.
4. Prepare the balance sheet of Grueser Computing, Inc., at October 31, 2018.

## Solution:

Req. 1

| Analysis of Transactions |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ASSETS = LIABILITIES + STOCKHOLDERS' EQUITY |  |  |  |  |  |  |  |  |  |  |  |
|  | Cash | Accounts <br> + Receivable + | Supplies | + Equipment $=$ | Accounts payable | $+$ | Common Stock |  | Retained Earnings | $+$ | Type of Stockholders' Equity Transaction |
| Bal. | 2,500 | 3,250 |  | 12,200 | 8,300 |  | 6,300 |  | 3,350 |  |  |
| a) | 3,700 |  |  |  |  |  | 3,700 |  |  |  | Issued stock |
| b) | 6,700 |  |  |  |  |  |  |  | 6,700 |  | Service revenue |
| c) | $(4,700)$ |  |  |  | $(4,700)$ |  |  |  |  |  |  |
| d) |  |  | 800 |  | 800 |  |  |  |  |  |  |
| e) | 1,300 | $(1,300)$ |  |  |  |  |  |  |  |  |  |
| f) |  | 4,700 |  |  |  |  |  |  | 4,700 |  | Service revenue |
| g) | $(1,900)$ |  |  |  |  |  |  |  | $(1,900)$ |  | Rent expense |
|  | (500) |  |  |  |  |  |  |  | (500) |  | Advertising expense |
| h) | $(3,400)$ |  |  |  |  |  |  |  | $(3,400)$ |  | Dividends |
| Bal. | 3,700 | 6,650 | 800 | 12,200 | 4,400 | $\overline{-}$ | 10,000 |  | 8,950 |  |  |

Req. 2

| Grueser Computing, Inc. Income Statement <br> Month Ended October 31, 2018 |  |  |  |
| :---: | :---: | :---: | :---: |
| Revenues: |  | \$ 11,400 |  |
| Service revenue (\$6,700 + \$4,700) |  |  |  |
| Expenses: |  |  |  |
| Rent expense | \$ 1,900 |  |  |
| Advertising expense | 500 |  |  |
| Total expenses | 2,400 |  |  |
| Net income |  |  | 9,000 |

Req. 3

| Grueser Computing, Inc. Statement of Retained Earnings Month Ended October 31, 2018 |  |
| :---: | :---: |
| Retained earnings, October 1, 2018 | \$ 3,350 |
| Add: Net income | 9,000 |
| Subtotal | 12,350 |
| Less: Dividends declared | $(3,400)$ |
| Retained earnings, October 31, 2018 | \$ 8,950 |

Req. 4

| Grueser Computing, Inc. Balance Sheet October 31, 2018 |  |  |  |
| :---: | :---: | :---: | :---: |
| ASSETS |  | LIABILITIES |  |
| Cash <br> Accounts receivable <br> Supplies <br> Equipment | $\$ 3,700$  <br> 6,650  <br> 800  <br>  12,200 | Accounts payable | \$ 4,400 |
|  |  |  |  |
|  |  | STOCKHOLDERS' EQUITY |  |
|  |  | Common stock | 10,000 |
|  |  | Retained earnings | 8,950 |
|  |  | Total stockholders' equity | 18,950 |
| Total assets | \$ 23,350 | stockholders' equity | \$ 23,350 |

P2-60A
(30-40 min.)

## Requirements

1. Journalize the transactions of Grueser Computing, Inc. Explanations are not required.
2. Prepare a T-Account for each account. Insert in each T-account its September 30 Balance as given (example: Cash $\$ 2,500$ ). Then, post the October transactions to the T-accounts.
3. Compute the balance in each account.

## Solution:

Req. 1

| Journal |  |  |  |
| :---: | :---: | :---: | :---: |
|  | ACCOUNT | DEBIT | CREDIT |
| a. | Cash Common Stock | 3,700 | 3,700 |
| b. | Cash Service Revenue | 6,700 | 6,700 |
| c. | Accounts Payable Cash | 4,700 | 4,700 |
| d. | Supplies <br> Accounts Payable | 800 | 800 |
| e. | Cash Accounts Receivable | 1,300 | 1,300 |
| f. | Accounts Receivable Service Revenue | 4,700 | 4,700 |
| g. | Rent Expense Advertising Expense Cash | $\begin{array}{r} 1,900 \\ 500 \end{array}$ | 2,400 |
| h. | Dividends Cash | 3,400 | 3,400 |

Reqs. 2 and 3

| Cash |  |
| ---: | ---: |
| 2,500 | 4,700 |
| 3,700 | 2,400 |
| 6,700 | 3,400 |
| 1,300 |  |
| 3,700 |  |


| Accounts <br> Receivable |  |
| :---: | :---: |
| 3,250 | 1,300 |
| 4,700 |  |
| 6,650 |  |


| Supplies |  |
| ---: | ---: |
| 800 |  |
| 800 |  |


| Equipment |  |
| ---: | ---: |
| 12,200 |  |
| 12,200 |  |


| Accounts <br> Payable |  |
| ---: | ---: |
| 4,700 | 8,300 |
|  | 800 |
|  | 4,400 |


| Common Stock |  |
| :--- | ---: |
|  | 6,300 |
|  | 3,700 |
|  | 10,000 |



| Service <br> Revenue |  |
| :--- | ---: |
|  | 6,700 |
|  | 4,700 |
|  | 11,400 |


| Rent Expense |  |
| ---: | ---: |
| 1,900 |  |
| 1,900 |  |


| Advertising <br> Expense |  |
| ---: | ---: |
| 500 |  |
| 500 |  |

[^2]P2-61A
(50-60 min.)

## Requirements

1. Record each transaction in the journal. Be sure to record the date in each entry. Explanations are not required.
2. Post the transactions to the T-accounts, using transaction dates as posting references. Determine the ending balance in each account.
3. Prepare the trial balance of Cloutier Services, Inc., at August 31 of the current year.
4. Michael Cloutier, the manager, asks you how much in total resources the business has to work with, how much it owes, and whether August was profitable (and by how much).

## Solution:

Req. 1

| Journal |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| DATE |  | ACCOUNT TITLES | DEBIT | CREDIT |
| Aug. | 2 | Cash Common Stock | 69,000 | 69,000 |
|  | 3 | Supplies Equipment Accounts Payable | $\begin{array}{r} 500 \\ 11,800 \end{array}$ | 12,300 |
|  | 4 | Cash Service Revenue | 5,600 | 5,600 |
|  | 7 | Land Cash | 33,000 | 33,000 |
|  | 11 | Accounts Receivable Service Revenue | 3,300 | 3,300 |
|  | 16 | Accounts Payable Cash | 11,800 | 11,800 |
|  | 17 | Advertising Expense Cash | 560 | 560 |
|  | 18 | Cash <br> Accounts Receivable | 1,200 | 1,200 |
|  | 22 | Utilities Expense Cash | 390 | 390 |
|  | 29 | Cash Service Revenue | 3,000 | 3,000 |
|  | 31 | Salary Expense Cash | 2,500 | 2,500 |
|  | 31 | Dividends Cash | 2,000 | 2,000 |

Req. 2

| Cash |  |  |  |
| :---: | ---: | :---: | ---: |
| Aug. 2 | 69,000 | Aug. 7 | 33,000 |
| 4 | 5,600 | 16 | 11,800 |
| 18 | 1,200 | 17 | 560 |
| 29 | 3,000 | 22 | 390 |
|  |  | 31 | 2,500 |
|  |  | 31 | 2,000 |
| Bal. | 28,550 |  |  |


| Accounts Receivable |  |  |  |
| :--- | ---: | :--- | :--- |
| Aug. 11 | 3,300 | Aug. 18 | 1,200 |
| Bal. | 2,100 |  |  |


| Equipment |  |  |
| :--- | ---: | ---: |
| Aug. 3 | 11,800 |  |
| Bal. | 11,800 |  |



| Accounts Payable |  |  |  |
| :--- | ---: | :--- | ---: |
| Aug. 16 | 11,800 | Aug. 3 | 12,300 |
|  |  | Bal. | 500 |


| Land |  |  |
| :--- | :--- | :--- |
| Aug. 7 | 33,000 |  |
| Bal. | 33,000 |  |


| Dividends |  |  |
| :--- | ---: | ---: |
| Aug. 31 | 2,000 |  |
| Bal. | 2,000 |  |



Req. 3

| Cloutier Service, Inc. Trial Balance August 31, 20XX |  |  |
| :---: | :---: | :---: |
| ACCOUNT | DEBIT | CREDIT |
| Cash | \$ 28,550 |  |
| Accounts receivable | 2,100 |  |
| Supplies | 500 |  |
| Land | 33,000 |  |
| Equipment | 11,800 |  |
| Accounts payable |  | \$ 500 |
| Common stock |  | 69,000 |
| Dividends | 2,000 |  |
| Service revenue |  | 11,900 |
| Salary expense | 2,500 |  |
| Advertising expense | 560 |  |
| Utilities expense | 390 |  |
| Total | \$ 81,400 | \$ 81,400 |

Req. 4
Total resources (assets) $=\$ 75,950(\$ 28,550+\$ 2,100+\$ 500+\$ 33,000+\$ 11,800)$
Amount owed (total liabilities) $=\$ 500$

## P2-62A

40-50 min.)

## Requirements

1. Record each transaction directly in the T -accounts without using a journal. Use the letters to identify the transactions. Determine the ending balance in each account.
2. Prepare the trial balance of Samuels Music Services Corporation at January 31, 2018.

## Solution:

Req. 1

| Cash |  |  |  |
| :--- | ---: | ---: | :---: |
| (a) | 41,000 | (c) |  |
| (b) | 61,000 | (e) |  |
| (f) | 3,700 | (h) |  |
| (f) | 6,300 |  |  |
| (j) | 1,500 | (k) |  |
| Bal. | 52,900 |  |  |


| Accounts Receivable |  |  |  |
| :--- | :--- | :--- | :---: |
| $(\mathrm{g})$ | 12,800 | $(\mathrm{j})$ |  |
| Bal. | 11,300 |  |  |


| Music Equipment |  |  |
| :--- | :--- | :--- |
| (c) | 46,000 |  |
| Bal. | 46,000 |  |


| Supplies |  |  |
| :--- | :--- | :--- |
| (d) | 340 |  |
| Bal. | 340 |  |


| Accounts Payable |  |  |  |
| :--- | :--- | ---: | :---: |
| (h) 200 | (d) | 340 |  |
|  | (i) | 800 |  |
|  | Bal. | 940 |  |


| Building |  |  |
| :--- | :--- | :--- |
| (a) | 110,000 |  |
| Bal. | 110,000 |  |


| Common Stock |  |  |
| :--- | :--- | :--- |
|  | (a) | 151,000 |
|  | Bal. | 151,000 |



| Salary Expense |  |  |
| :--- | :--- | :--- |
| (e) | 6,300 |  |
| Bal. | 6,300 |  |


| Service Revenue |  |  |
| :--- | :--- | ---: |
|  | $(\mathrm{f})$ | 3,700 |
|  | $\mathrm{~g})$ | 12,800 |
|  | Bal. | 16,500 |


| Advertising Expense |  |  |
| :--- | ---: | ---: |
| (k) | 800 |  |
| Bal. | 800 |  |



| Utilities Expense |  |  |
| :--- | ---: | :--- |
| (i) | 800 |  |
| Bal. | 800 |  |

Req. 2

| Samuels Music Services Corporation Trial Balance January 31, 2018 |  |  |
| :---: | :---: | :---: |
| ACCOUNT | DEBIT | CREDIT |
| Cash | \$ 52,900 |  |
| Accounts receivable | 11,300 |  |
| Supplies | 340 |  |
| Building | 110,000 |  |
| Music equipment | 46,000 |  |
| Accounts payable |  | \$ 940 |
| Note payable |  | 61,000 |
| Common stock |  | 151,000 |
| Service revenue |  | 16,500 |
| Salary expense | 6,300 |  |
| Rent expense | 1,000 |  |
| Utilities expense | 800 |  |
| Advertising expense | 800 |  |
| Total | \$ 229,440 | \$ 229,440 |

## P2-63B

(15-30 min.)

## Requirement

1. Write a short note to answer Clara's questions. In your note, state the amounts of Colby Design's total assets, total liabilities, and net income or net loss for the year. Also show how you computed each amount.

## Solution:

```
Dear Clara,
This trial balance lists the accounts of the company, along with their
balances at December 31, 2018. The trial balance provides the data for
computing total assets, total liabilities, and net income or net loss.
Colby Design reports:
a. Total assets \(=\$ 413,500(\$ 13,000+\$ 55,000+\$ 6,500+\$ 104,000\) + \$235,000)
b. Total liabilities \(=\$ 144,300(\$ 50,300+\$ 94,000)\)
c. Net income = \$76,000 (\$200,000-\$28,000-\$6,000 - \$85,000 - \$5,000)
```


## P2-64B <br> (45-60 min.)

## Requirements

1. Analyze the effects of the preceding transactions on the accounting equation of Davis Computing, Inc.
2. Prepare the income statement of Davis Computing, Inc., for the month ended October 31, 2018. List expenses in decreasing order by amount.
3. Prepare the statement of retained earnings of Davis Computing, Inc., for the month ended October 31, 2018.
4. Prepare the balance sheet of Davis Computing, Inc., at October 31, 2018.

## Solution:

Req. 1

| Analysis of Transactions |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ASSETS = LIABILITIES + STOCKHOLDERS' EQUITY |  |  |  |  |  |  |  |  |  |
|  | Cash | Accounts <br> + Receivable + | Supplies | + Equipment $=$ | Accounts payable + | Common Stock | $+$ | Retained Earnings | Type of Stockholders' <br> + Equity Transaction |
| Bal. | 2,400 | 3,450 |  | 11,700 | 7,900 | 5,500 |  | 4,150 |  |
| a) | 3,500 |  |  |  |  | 3,500 |  |  | Issued stock |
| b) | 6,500 |  |  |  |  |  |  | 6,500 | Service revenue |
| c) | $(4,400)$ |  |  |  | $(4,400)$ |  |  |  |  |
| d) |  |  | 1,200 |  | 1,200 |  |  |  |  |
| e) | 1,700 | $(1,700)$ |  |  |  |  |  |  |  |
| f) |  | 4,700 |  |  |  |  |  | 4,700 | Service revenue |
| g) | $(1,800)$ |  |  |  |  |  |  | $(1,800)$ | Rent expense |
|  | (550) |  |  |  |  |  |  | (550) | Advertising expense |
| h) | $(2,700)$ |  |  |  |  |  |  | $(2,700)$ | Dividends |
| Bal. | 4,650 | 6,450 | 1,200 | 11,700 | 4,700 | 9,000 |  | 10,300 |  |

Req. 2

| Davis Computing, Inc. Income Statement Month Ended October 31, 2018 |  |  |  |
| :---: | :---: | :---: | :---: |
| Revenues: <br> Service revenue $(\$ 6,500+\$ 4,700)$ |  | \$ 11,200 |  |
| Expenses: <br> Rent expense Advertising expense | $\begin{array}{r} \$ 1,800 \\ 550 \\ \hline \end{array}$ |  |  |
| Total expenses | 2,350 |  |  |
| Net income |  |  | 8,850 |

Req. 3

| Davis Computing, Inc. <br> Statement of Retained Earnings <br> For the Month Ended October 31, 2018 |  |
| :--- | ---: |
| Retained earnings, October 1, 2018 |  |
| Add: Net income | $\$ 4,150$ |
| Subtotal | 8,850 |
| Less: Dividends declared | 13,000 |
| Retained earnings, October 31, 2018 | $(2,700)$ |

Req. 4

| Davis Computing, Inc. Balance Sheet October 31, 2018 |  |  |  |
| :---: | :---: | :---: | :---: |
| ASSETS |  | LIABILITIES |  |
| Cash <br> Accounts receivable <br> Supplies <br> Equipment | $\$$ 4,650 <br> 6,450  <br> 1,200  <br>  11,700 | Accounts payable | \$ 4,700 |
|  |  |  |  |
|  |  | STOCKHOLDERS' E | QUITY |
|  |  | Common stock | 9,000 |
|  |  | Retained earnings | 10,300 |
|  |  | Total stockholders' equits | 19,300 |
|  |  | Total liabilities and |  |
| Total assets | \$ 24,000 | stockholders' equity | \$ 24,000 |

P2-65B
(30-40 min.)

## Requirements

1. Journalize the transactions of Davis Computing, Inc. Explanations are not required.
2. Prepare a T-account for each account. Insert in each T-account its September 30 balance as given (example: Cash $\$ 2,400$ ). Then, post the October transactions to the T -accounts.
3. Compute the balance in each account.

## Solution:

Req. 1

| Journal |  |  |  |
| :---: | :--- | ---: | ---: |
| ACCOUNT | DEBIT | CREDIT |  |
| a. | Cash <br> Common Stock <br> Cash <br> Service Revenue <br> Accounts Payable <br> Cash <br> d. | 3,500 | 3,500 |
| eupplies |  |  |  |
| Accounts Payable |  |  |  |
| eash |  |  |  |
| Accounts Receivable |  |  |  |
| f. | Accounts Receivable <br> Service Revenue | 4,500 | 6,500 |
| g. | Rent Expense <br> Advertising Expense <br> Cash | 1,200 | 4,400 |
| h. | Dividends <br> Cash | 1,700 | 1,200 |

Reqs. 2 and 3

| Cash |  |
| ---: | ---: |
| 2,400 | 4,400 |
| 3,500 | 2,350 |
| 6,500 | 2,700 |
| 1,700 |  |
| 4,650 |  |


| Accounts <br> Receivable |  |
| :--- | :--- |
| 3,450 | 1,700 |
| 4,700 |  |
| 6,450 |  |


| Supplies |  |
| :---: | :--- |
| 1,200 |  |
|  |  |
| 1,200 |  |


| Equipment |  |
| :---: | :---: |
| 11,700 |  |
|  |  |
| 11,700 |  |


| Accounts <br> Payable |  |
| :--- | ---: |
| 4,400 | 7,900 |
|  | 1,200 |
|  | 4,700 |


| Common Stock |  |
| :---: | ---: |
|  | 5,500 |
|  | 3,500 |
|  | 9,000 |



| Dividends |  |
| :---: | :--- |
| 2,700 |  |
| 2,700 |  |


| Service <br> Revenue |  |
| :--- | ---: |
|  | 6,500 |
|  | 4,700 |
|  | 11,200 |


| Rent Expense |  |
| ---: | ---: |
| 1,800 |  |
| 1,800 |  |


| Advertising <br> Expense |  |  |  |
| ---: | ---: | :---: | :---: |
| 550 |  |  |  |
| 550 |  |  |  |
|  |  |  |  |

The balances of all the accounts Cash through Common Stock agree with the ending balances obtained in Problem 2-64B.

## P2-66B

(50-60 min.)

## Requirements

1. Record each transaction in the journal. Be sure to record the date in each entry.

Explanations are not required.
2. Post the transactions to the T -accounts, using transaction dates as posting references.

Determine the ending balance in each account.
3. Prepare the trial balance of Augusta Services, Inc., at March 31 of the current year.
4. Lauren Augusta, the manager, asks you how much in total resources the business has to work with, how much it owes, and whether March was profitable (and by how much).

## Solution:

Req. 1

| Journal |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| DATE |  | ACCOUNT TITLES | DEBIT | CREDIT |
| Mar. | 2 | Cash Common Stock | 68,000 | 68,000 |
|  | 3 | Supplies <br> Equipment <br> Accounts Payable | $\begin{array}{r} 900 \\ 12,000 \end{array}$ | 12,900 |
|  | 4 | Cash Service Revenue | 5,600 | 5,600 |
|  | 7 | Land Cash | 32,000 | 32,000 |
|  | 11 | Accounts Receivable Service Revenue | 4,700 | 4,700 |
|  | 16 | Accounts Payable Cash | 12,000 | 12,000 |
|  | 17 | Advertising Expense Cash | 540 | 540 |
|  | 18 | Cash <br> Accounts Receivable | 2,600 | 2,600 |
|  | 22 | Utilities Expense Cash | 370 | 370 |
|  | 29 | Cash Service Revenue | 3,000 | 3,000 |
|  | 31 | Salary Expense Cash | 2,500 | 2,500 |
|  | 31 | Dividends Cash | 2,200 | 2,200 |

Req. 2

| Cash |  |  |  |
| :---: | ---: | :---: | ---: |
| Mar. 2 | 68,000 | Mar. ${ }^{7}$ | 32,000 |
| 4 | 5,600 | 16 | 12,000 |
| 18 | 2,600 | 17 | 540 |
| 29 | 3,000 | 22 | 370 |
|  |  | 31 | 2,500 |
|  |  | 31 | 2,200 |
|  |  |  |  |
| Bal. | 29,590 |  |  |


| Accounts Receivable |  |  |  |
| :--- | ---: | :--- | :--- |
| Mar. 11 | 4,700 | Mar. 18 | 2,600 |
| Bal. | 2,100 |  |  |
|  |  |  |  |



| Utilities Expense |  |  |
| :--- | ---: | ---: |
| Mar. 22 | 370 |  |
| Bal. | 370 |  |



Req. 3


Req. 4
Total resources (assets) $=\$ 76,590(\$ 29,590+\$ 2,100+\$ 900+\$ 32,000+\$ 12,000)$
Amount owed (total liabilities) $=\$ 900$

P2-67B
(40-50 min.)

## Requirements

1. Record each transaction directly in the T-accounts without using a journal. Use the letters to identify the transactions. Determine the ending balance in each account.
2. Prepare the trial balance of Shreve Music Corporation at May 31, 2018.

## Solution:

Req. 1

| Cash |  |  |  |
| :--- | ---: | ---: | ---: |
| (a) | 46,000 | (c) | 47,000 |
| (b) | 60,000 | (e) | 5,700 |
| (f) | 3,710 | (h) | 300 |
| (j) | 1,200 | (k) | 1,900 |
| Bal. | 56,010 |  |  |


| Accounts Receivable |  |  |  |
| :--- | :--- | :--- | :---: |
| $(\mathrm{g})$ | 12,900 | (j) |  |
| Bal. | 11,700 |  |  |


| Supplies |  |  |
| :--- | :--- | :--- |
| (d) | 530 |  |
| Bal. | 530 |  |


| Music Equipment |  |  |
| :--- | ---: | :---: |
| (c) | 47,000 |  |
| Bal. | 47,000 |  |


| Building |  |  |
| :--- | :--- | :--- |
| (a) | 106,000 |  |
| Bal. | 106,000 |  |


| Note Payable |  |  |
| :--- | :--- | :--- |
|  | (b) | 60,000 |
|  | Bal. | 60,000 |


| Accounts Payable |  |  |
| :---: | :--- | :---: |
| (h) 300 | (d) |  |
|  | (i) |  |
|  | Bal. |  |
|  |  |  |


| Common Stock |  |  |
| :--- | :--- | :--- |
|  | (a) | 152,000 |
|  | Bal. | 152,000 |


| Salary Expense |  |  |
| :--- | :--- | :--- |
| (e) | 5,700 |  |
| Bal. | 5,700 |  |
| Rent Expense |  |  |
| R |  |  |
| (k) | 1,100 |  |
| Bal. | 1,100 |  |


| Advertising Expense |  |  |
| :--- | ---: | ---: |
| (k) | 800 |  |
| Bal. | 800 |  |


| Utilities Expense |  |  |
| :--- | ---: | ---: |
| (i) | 700 |  |
| Bal. | 700 |  |

Req. 2

| Shreve Music Corporation <br> Trial Balance <br> May 31, 2018 |  |  |
| :--- | ---: | ---: |
| ACCOUNT |  | DEBIT |
| CREDIT |  |  |
| Cash | $\$ 56,010$ |  |
| Accounts receivable | 11,700 |  |
| Supplies | 530 |  |
| Building | 106,000 |  |
| Music equipment | 47,000 | $\$ 930$ |
| Accounts payable |  | 60,000 |
| Note payable |  | 152,000 |
| Common stock |  | 16,610 |
| Service revenue | 5,700 |  |
| Salary expense | 1,100 |  |
| Rent expense | 800 |  |
| Advertising expense | 700 |  |
| Utilities expense |  | $\$ 229,540$ |
| Total | $\$ 229,540$ |  |

E2-68
(20-40 min.)

## Requirement

1. Prepare a T-account to compute each amount, a through c.

## Solution:

a. $\quad$ Total cash paid during December:

| Cash |  |  |  |  |
| :--- | ---: | ---: | ---: | :---: |
| Nov. 30 Bal. | 14,500 |  |  |  |
| Dec. receipts | 99,000 | Dec. payments | $X=$ |  |
| Dec. 31 Bal. | 7,250 |  | 106,250 |  |

$$
\$ 14,500+\$ 99,000-X=\$ 7,250
$$

$$
X=\$ 106,250
$$

b. Cash collections from customers during December:

| Accounts Receivable |  |  |  |
| :--- | ---: | :--- | ---: |
| Nov 30 Bal. <br> Dec. sales <br> on account | 29,000 |  |  |
| Dec. 31 Bal. | 49,000 | Dec. collections X= | 51,000 |

$$
\begin{aligned}
& \$ 29,000+\$ 49,000-X=\$ 27,000 \\
& X=\$ 51,000 \\
& \hline
\end{aligned}
$$

c. Cash paid on notes payable during December:

| Notes Payable |  |  |  |
| ---: | ---: | :--- | ---: |
| $X=$ |  | Nov. 30 Bal. | 15,500 |
| Dec. note payments | 20,000 | Dec. new borrowing | 28,000 |
|  |  | Dec. 31 Bal. | 23,500 |

$$
\begin{aligned}
& \$ 15,500+\$ 28,000-X=\$ 23,500 \\
& X=\$ 20,000 \\
& \hline
\end{aligned}
$$

E2-69
(20-30 min.)

## Requirements

1. Prepare a trial balance for the ledger accounts of Jubilee, Inc., as of October 31, 2018.
2. Determine the out-of-balance amount. The error lies in the Accounts Receivable account. Add the out-of-balance amount to, or subtract it from, Accounts Receivable to determine the correct balance of Accounts Receivable. After correcting Accounts Receivable, advise the top management of Jubilee, Inc., on the company's
a. total assets.
b. total liabilities.
c. net income or net loss for October.

## Solution:

Req. 1

| Jubilee, Inc. <br> Trial Balance October 31, 2018 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Cash.. |  | 4,100 |  |  |
| Accounts receivable.......... |  | 7,300 |  |  |
| Land........... |  | 31,700 |  |  |
| Accounts payable............. |  |  | \$ | 6,700 |
| Note payable.................... |  |  |  | 5,400 |
| Common stock................ |  |  |  | 23,900 |
| Retained earnings.............. |  |  |  | 1,200 |
| Service revenue................ |  |  |  | 9,800 |
| Salary expense................. |  | 2,500 |  |  |
| Advertising expense......... |  | 1,200 |  |  |
| Totals............................ | \$ | 46,800 | \$ | 47,000 |

Out of balance by $\$ 200$
The correct balance of Accounts Receivable is $\$ 7,500^{*}(\$ 7,300+\$ 200)$. After this correction, total debits will be $\$ 47,000(\$ 46,800+\$ 200)$, the same as total credits.

Req. 2

| a. | Total assets | $=$ | $\$ 43,300\left(\$ 4,100+\$ 7,500^{*}+\$ 31,700\right)$ |
| :--- | :--- | :--- | :--- |
| b. | Total liabilities | $=\$ 12,100(\$ 6,700+\$ 5,400)$ |  |
| c. | Net income | $=\$ 6,100(\$ 9,800-\$ 2,500-\$ 1,200)$ |  |

E2-70
(10-15 min.)

## Requirements

1. For this situation, show everything that both Marion and Ashland will report on their November and December income statements and on their balance sheets at November 30 and December 31.
2. After showing what each company should report, briefly explain how the Marion and Ashland data relate to each other.

## Solution:

Req. 1

| Marion Co.: Income statement | November | December |
| :---: | :---: | :---: |
| Employee medical exp. | \$ 48,000 | \$ -0- |
| Balance sheet | Nov. 30 | Dec. 31 |
| Cash | \$ 51,000 | \$ 18,000 |
| Accounts payable | 48,000 | 15,000 |
| Ashland Hospital: Income statement | November | December |
| Service revenue | \$ 48,000 | \$ -0- |
| Balance sheet | Nov. 30 | Dec. 31 |
| Cash | \$ -0- | \$ 33,000 |
| Accounts receivable | 48,000 | 15,000 |

Req. 2
Explanation:
Marion's \$48,000 expense is Ashland's revenue of \$48,000.
Marion's $\$ 33,000$ cash payment is Ashland's cash receipt of $\$ 33,000$.
Marion's \$15,000 account payable is Ashland's account receivable of \$15,000.
Marion's \$48,000 account payable is Ashland's account receivable of \$48,000.

$$
\begin{array}{r}
* \$ 51,000-\$ 33,000=\$ 18,000 \\
* * \$ 48,000-\$ 33,000=\$ 15,000
\end{array}
$$

P2-71
(20 min.)

## Requirements

1. For each of the preceding entries, indicate the effect of the error on cash, total assets, and net income. The answer for the first transaction has been provided as an example.

| Date | Effect on Cash | Effect on Total Assets | Effect on Net Income |
| :--- | :---: | :---: | :---: |
| May 1 | Understated $\$ 1,700$ | Overstated $\$ 1,700$ | Overstated \$1,700 |

2. What is the correct balance of cash if the balance of cash on the books before correcting the preceding transactions was $\$ 6,300$ ?
3. What is the correct amount of total assets if the total assets on the books before correcting the preceding transactions was $\$ 20,000$ ?
4. What is the correct net income for May if the reported income before correcting the preceding transactions was $\$ 9,000$ ?

## Solution:

Req. 1

| Date |  | Effect <br> on Cash | Effect on Total Assets | Effect on Net Income |
| :---: | :---: | :---: | :---: | :---: |
| May | 1 | Understated $\$ 1,700$ | Overstated $\$ 1,700$ | Overstated $\$ 1,700$ |
|  | 2 | Understated $\$ 3,600$ | Understated $\$ 3,600$ | Understated $\$ 3,600$ |
|  | 5 | Correct | Understated $\$ 3,400$ | Understated $\$ 3,400$ |
| 10 | Correct | Correct | Correct |  |
| 16 | Correct | Correct | Overstated $\$ 5,600$ |  |
|  | 25 | Correct | Overstated $\$ 3,900$ | Correct |

Req. 2
Correct cash balance, $\$ 11,600(\$ 6,300+\$ 1,700+\$ 3,600)$

Req. 3
Correct total assets, $\$ 21,400(\$ 20,000+\$ 1,700-\$ 3,600+\$ 3,400-\$ 3,900)$
Req. 4
Correct net income, \$8,800 (\$9,000 - \$1,700 + \$3,600-\$3,400 + \$5,500)

## Serial Case

(20-30 min.)

## Requirements

1. What would be the journal entry for each of the listed transactions?
2. For each listed transaction, how would Cheesecake Factory's assets, liabilities, and equity be impacted?

## Solution:

Req. 1

| Journal |  |  |  |
| :---: | :---: | :---: | :---: |
| Date | ACCOUNT TITLES AND EXPLANATION | DEBIT | CREDIT |
| Feb | Cash | 15,000 |  |
|  | Sales Revenue |  | 15,000 |
|  | Inventory | 11,000 |  |
|  | Accounts Payable |  | 11,000 |
|  | Advertising Expense | 2,000 |  |
|  | Cash |  | 2,000 |
|  | Salary Expense Cash | 75,000 | 75,000 |
|  | Cash | 80,000 |  |
|  | Note Payable |  | 80,000 |
|  | Utilities Expense | 1,500 |  |
|  | Cash |  | 1,500 |
|  | Accounts Payable | 11,000 |  |
|  | Cash |  | 11,000 |
|  | Cash | 1,000 |  |
|  | Unearned Gift Card Revenue |  | 1,000 |
|  | Rent Expense | 3,500 |  |
|  |  |  | 3,500 |

Req. 2

| Deq. 2 | Effect |
| :---: | :--- |
| Feb. 1 | Assets increase $\$ 15,000$ |
| Equity increases $\$ 15,000$ |  |
| 2 | 2Assets increase $\$ 11,000$ <br> Liabilities increase $\$ 11,000$ |
| 8 | Equity decreases $\$ 2,000$ <br> Assets decrease $\$ 2,000$ |


| 11 | 12 | Equity decreases $\$ 75,000$ <br> Assets decrease $\$ 75,000$ <br> Assets increase $\$ 80,000$ <br> Liabilities increase $\$ 80,000$ |
| ---: | :--- | :--- |
| 15 | 27Equity decreases $\$ 1,500$ <br> Assets decrease $\$ 1,500$ <br> Liabilities decrease $\$ 11,000$ <br> Assets decrease $\$ 11,000$ <br> Assets increase $\$ 1,000$ <br> Liabilities increase $\$ 1,000$ <br> Equity decreases $\$ 3,500$ <br> Assets decrease $\$ 3,500$ |  |

Decision Case 1
(40-50 min.)

## Requirements

1. Set up the following T-accounts: Cash, Accounts Receivable, Supplies, Furniture, Accounts Payable, Notes Payable, Common Stock, Service Revenue, Salary Expense, Advertising Expense, and Rent Expense.
2. Record the transactions directly in the accounts without using a journal. Key each transaction by letter. Determine the ending balance in each account.
3. Construct a trial balance for Blast Networks, Inc., at the current date. List expenses with the largest amount first, the next largest amount second, and so on.
4. Compute the amount of net income or net loss for this first month of operations. Why or why not would you recommend that Barlow continue in business?

## Solution:

Reqs. 1 and 2

| Cash |  |  |  |
| :--- | :--- | :--- | :--- |
| (a) | 7,000 | (c) | 1,300 |
| (b) | 6,000 | (d) | 1,800 |
| (h) | 2,500 | (f) | 2,000 |
| (i) | 1,200 | (f) | 1,200 |
|  |  | (j) | 1,000 |
| Bal. | 9,400 |  |  |


| Accounts Receivable |  |  |  |
| :--- | :--- | :--- | :--- |
| $(\mathrm{g})$ | 8,000 | (i) | 1,200 |
| Bal. | 6,800 |  |  |


| Furniture |  |  |
| :--- | ---: | ---: |
| (e) | 5,400 |  |
| Bal. |  |  |


| Supplies |  |
| :--- | :--- |
| (c) $\quad 1,300$ |  |
|  |  |



| Accounts Payable |  |  |  |
| :--- | :--- | :--- | :---: |
| (j) | 1,000 | (e) |  |
|  | Bal. | 5,400 |  |


| Service Revenue |  |  |
| :--- | :--- | ---: |
|  | $(\mathrm{g})$ | 8,000 |
|  | $(\mathrm{~h})$ | 2,500 |
|  | Bal. | 10,500 |



| Advertising Expense |  |  |
| :--- | :--- | :---: |
| (d) $\quad 1,800$ |  |  |
|  |  |  |


| Rent Expense |  |
| :--- | :--- |
| (f) | 1,200 |
|  |  |

## Req. 3

| Blast Networks, Inc. <br> Trial Balance <br> Current Date |  |  |
| :--- | ---: | ---: |
| ACCOUNT |  | DEBIT |
| Cash | CREDIT |  |
| Accounts receivable | 9,400 |  |
| Supplies | 6,800 |  |
| Furniture | 1,300 |  |
| Accounts payable | 5,400 |  |
| Notes payable |  | $\$$ |
| Common stock |  | 4,400 |
| Service revenue |  | 6,000 |
| Salary expense | 2,000 | 10,500 |
| Advertising expense | 1,800 |  |
| Rent expense | $\underline{1,200}$ |  |
| Total | $\underline{\$ 27,900}$ | $\$ 27,900$ |

Req. 4
(net income or loss for first month of operations)

| Revenues: |  |  |
| :---: | :---: | :---: |
| Service revenue |  | \$ 10,500 |
| Expenses: |  |  |
| Salary expense | \$ 2,000 |  |
| Advertising expense | 1,800 |  |
| Rent expense | 1,200 |  |
| Total expenses |  | 5,000 |
| Net income for month |  | \$ 5,500 |

Recommendation: Barton's criteria for remaining in operation was to earn net income of $\$ 5,000$. His actual result was just over this goal. Yes, I would recommend that he stay in business.

## Decision Case 2

## (20-30 min.)

## Requirement

1. Joe Ferritto has asked whether he should expand the restaurant. His banker says Ferritto may be wise to expand if (a) net income for the first month reached $\$ 10,000$ and (b) total assets are at least $\$ 35,000$. It appears that the business has reached these milestones, but Ferritto doubts whether his financial statements tell the true story. He needs your help in making this decision. Prepare a corrected income statement and balance sheet. (Remember that Retained Earnings, which was omitted from the balance sheet, should equal net income for the first month; there were no dividends.) After preparing the statements, give Joe Ferritto your recommendation as to whether he should expand the restaurant.

## Solution:

| Romano Castle, Inc.Income StatementMonth Ended December 31, 2018 |  |  |
| :---: | :---: | :---: |
| Sales revenue | \$ | 42,000 |
| Cost of sales (expense) |  | 22,000 |
| Rent expense |  | 6,000 |
| Advertising expense |  | 5,000 |
| Total expenses |  | 33,000 |
| Net income | \$ | 9,000 |


| Romano Castle, Inc. <br> Balance Sheet <br> December 31, 2018 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ASSETS |  |  | LIABILITIES |  |  |
| Cash <br> Food inventory <br> Furniture | \$ | 12,000 | Accounts payable | \$ | 8,000 |
|  |  | 5,000 | STOCKHOLDERS' EQUITY |  |  |
|  |  | 10,000 | Common stock Retained earnings Total stockholders' equity Total liabilities and stockholders' equity |  | 10,000 |
|  | \$ |  |  |  | 9,000 |
|  |  |  |  |  | 19,000 |
|  |  | 27,000 |  | \$ | 27,000 |

Recommendation: Do not expand this month. The business falls short of the goals for both net income and total assets. However, Romano Castle, Inc. appears to be profitable, and assets are building toward Ferritto's goals. Maybe next month.

## Ethical Issues 1

## Requirements

Use the ethical decision model in Chapter 1 to answer the following questions:

1. What is the ethical issue?
2. Who are the stakeholders? What are the possible consequences to each?
3. Analyze the alternatives from the following standpoints: (a) economic, (b) legal, and (c) ethical.
4. What would you do? How would you justify your decision? How would your decision make you feel afterward?

## Solution:

1. The ethical issue is whether these alternatives of financing the business are proper 1. from an economic, legal, and ethical standpoint.

The stakeholders are Shabby Fitch, the bank, potential new creditors, and the friend who may become a stockholder. Consequences to the creditors are the inability of
2. the company to pay interest and the loan. Consequences to the investors are the inability of the company to pay dividends and the possibility of loss of investment if the company goes bankrupt.

| 3. | Option 1: Cash | Common Stock | 200,000 | 200,000 |
| :--- | :--- | :--- | :--- | :--- |
| Option 2: | Land <br> Common Stock <br> Common Stock <br> Land | 200,000 | 200,000 |  |
|  | 200,000 |  |  |  |

Option 1 is economically sound, perfectly legal, and also ethical because the sale of the stock is a valid transaction between the business and a stockholder. The consequences of this decision are that Fitch obtains additional financing at a cost (he now shares ownership of the business with his friend). The friend gives up cash in exchange for an ownership interest in the business. The bank and future creditors obtain complete and truthful disclosure of the manner in which the business has been financed.

Option 2 represents "window dressing" (making the company look like an entity that it is not). Although it might be legal in the strictest sense of the word (and it might not), this option does not faithfully represent economic reality. Thus, it is not in accordance with GAAP, which is a substitute for the legal criterion. This option is also unethical because the receipt of the land by the business is not a real transaction. The transfer of the land back to Fitch means that the business never actually has the land for its use. It violates the rights of the bank and future creditors to give them information that is inaccurate and that does not faithfully represent economic reality.

4 The best option to take is definitely Option 1. The decision maker can walk away from this transaction confident that he or she told the truth.

## Ethical Issue 2

## Part A.

Requirements

1. What is the ethical issue?
2. Who are the stakeholders? What are the possible consequences to each?
3. Analyze the alternatives from the following standpoints: (a) economic, (b) legal, and (c) ethical.
4. What would you do? How would you justify your decision? How would it make you feel afterward?

## Solution:

1. The ethical issue is whether you should question your grade, which is higher than you expected. Your choices are (a) discuss the grade with the professor; and (b) do not discuss the grade with the professor.

2,3 . Stakeholders are you, the professor, the other students in the class, and the university. The possible consequences to you of discussing the grade with the professor is that it may lead to the discovery that the professor made a mistake in calculating the grade, which may lead to a downward adjustment. While this could possibly have adverse economic consequences (i.e., perhaps loss of scholarship if the grade is substantially lowered), it is unlikely that a letter-grade drop in one course would have such an impact on grade point average as to cause loss of a scholarship. There is no legal consequence to reporting a grade that is too high. The ethical consequence is generally positive on all concerned, as it leads to clarification of the true grade.
4. Student opinions will vary on this part.

## Part B.

## Requirements

1. What is the ethical issue?
2. Who are the stakeholders and what are the consequences to each?
3. Analyze the alternatives from the following standpoints: (a) economic, (b) legal, and (c) ethical.
4. What would you do? How would you justify your decision? How would it make you feel?

## Solution:

1. $\quad$ The ethical issue in this case is whether you should question your grade, which is now lower than you expected. Your choices are (a) discuss the grade with the professor; and (b) do not discuss the grade with the professor.

2,3. Like part a, the stakeholders are you, the professor, the other students in the class, and the university. The possible consequences to you of discussing the grade with the professor is that it may lead to the discovery that the professor made a mistake in calculating the grade, which may lead to an upward adjustment. This could have positive economic consequences (i.e., perhaps keeping a scholarship). Like part a, the ethical consequence of this action is generally positive on all concerned, as it leads to clarification of the true grade.

| 4. | Most students would probably respond "take it to the professor." But shouldn't we be just as |
| :--- | :--- | concerned about knowing the true grade either way? The author recommends discussing the grade with the professor one way or the other.

## Part C

How is this situation like a financial accounting misstatement? How is it different?

## Solution:

Both course grades and financial statements report results that people use in order to make decisions that can carry both positive and negative consequences. In both situations, it is important that the user receive relevant information, and that the information faithfully represent facts as they actually occurred.

Apple, Inc.
(20-30 min.)

1. Set up T-accounts for beginning balances of Cash (\$0* balance); Accounts Receivable, net (debit balance of $\$ 16,849$ million); Inventories (debit balance of $\$ 2,349$ million); Property, Plant, and Equipment, net (debit balance of $\$ 22,471$ million); Other Non-Current Assets (debit balance of \$ 5,422 million); Accounts Payable (credit balance of $\$ 35,490$ million); Net Sales (\$0 balance); Cost of Sales (\$0 balance); Operating Expenses (\$0 balance); Other Income/(Expense), net (\$0 balance); Provision for Income Taxes (\$0 balance).
2. Journalize Apple's transactions a-j. Explanations are not required.
3. Post to the T-accounts, and compute the balance for each account. Key postings by transaction letters a-j.
4. For each of the following accounts, compare your computed balance to Apple's actual balance as shown on its 2016 Consolidated Statement of Operations or Consolidated Balance Sheet in Appendix A at the end of the book. . Your amounts should agree with the actual figures.
a. Accounts Receivable, net
b. Inventories
c. Property, Plant, and Equipment, net (assume no other activity in these assets than given in the problem)
d. Other Non-Current Assets
e. Accounts Payable
f. Net Sales
g. Cost of Sales
h. Operating Expenses
i. Other Income/(Expense), net
i. Provision for Income Taxes
5. Use the relevant accounts from requirement 4 to prepare a summary, single-step income statement for Apple for 2016. Compare the net income (loss) you computed to Apple's actual net income (loss). The two amounts should be equal.

## Solution:

Reqs. 1 and 3
Reqs. 1 and 3

| Cash |  |  |  |
| :--- | ---: | :---: | ---: |
|  | 0 | e. | 129,355 |
| b. | 216,734 | f. | 24,239 |
| g. | 1,348 | h. | 15,685 |
|  |  | i. | 3,335 |
|  |  | j. | 4,539 |
|  | 40,929 |  |  |


| Accounts Receivable, net |  |  |
| :--- | ---: | ---: |
| a. | 16,849 | b. |
|  | 215,639 |  |
|  |  |  |
|  | 15,754 |  |


| Inventories |  |  |  |
| ---: | ---: | ---: | :---: |
| c. | 2,349 | d. |  |
|  | 131,159 |  |  |


| Other Non-Current Assets |  |
| ---: | ---: |
| i. | 5,422 |
| 3,335 |  |
|  |  |
|  | 8,757 |


| Property and Equipment, net |  |  |
| ---: | ---: | ---: |
|  | 22,471 |  |
| j. | 4,539 |  |
|  | 27,010 |  |



| Other Income (Expense), net |  |
| :--- | :--- |
|  | g. |
|  | 1,348 |


| Operating Expenses |  |
| :--- | ---: |
| f. | 24,239 |
| 24,239 |  |


| Provision for Income Taxes |  |  |
| :--- | ---: | :---: |
| h. | 13,973 |  |
|  | 13,973 |  |

Req. 2

|  |  | (Millions) |  |
| :---: | :---: | :---: | :---: |
| a. | Accounts Receivable, net and other Net Sales (Revenue) | 215,639 | 215,639 |
| b. | Cash <br> Accounts Receivable, net | 216,374 | 216,374 |
| c. | Inventories Accounts Payable. | 131,159 | 131,159 |
| d. | Cost of Sales Inventories | 131,376 | 131,376 |
| e. | Accounts Payable Cash | 129,355 | 129,355 |
| f. | Operating Expenses Cash | 24,239 | 24,239 |
| g. | Cash | 1,348 |  |
| h. | Other Income (Expense), net Provision for Income Taxes Cash | 15,685 | 1,348 15,685 |
| i. | Other Non-Current Assets Cash | 3,335 | 3,335 |
| j. | Property, Plant, and Equipment, net Cash | 4,539 | 4,539 |

Req. 4
All the selected account balances agree with Apple, Inc.'s actual figures on the income statement or the balance sheet.

Req. 5

| Revenue: <br> Net sales Other Income (Expense), net | (Millions) |  |
| :---: | :---: | :---: |
|  | \$ 215,639 |  |
|  | 1,348 |  |
| Total revenue |  | \$ 216,987 |
| Expenses: |  |  |
| Cost of sales | \$ 131,376 |  |
| Operating expenses | 24,239 |  |
| Provision for income taxes | 15,685 |  |
| Total expenses |  | 171,300 |
| Net Income |  | \$ 45,687 |

The net income of $\$ 45,687$ million equals the net income reported on Apple's income statement.

## Under Armour, Inc. <br> (20-30 min.)

1. Which was larger for Under Armour, Inc. during 2016: (1) net revenues, or (2) cash collected from customers? Why? Show computation. Assume all revenues are on credit. 2. Investors are vitally interested in a company's sales and profits and its trends of sales and profits over time. Consider Under Armour's net revenues and net income (net loss) during the period from 2014 through 2016. Compute the percentage increase or decrease in net sales and also in net income (net loss) from 2014 to 2016. Which item grew faster during this two-year period-net sales or net income (net loss)? Can you offer a possible explanation for these changes?

## Solution:

Req. 1
During fiscal 2016, Under Armour, Inc. had more net revenues than cash collections. This is determined by analyzing net receivables, as follows:

| Net receivables: | (Thousands) |
| :--- | :--- |
|  | Balance at the end of fiscal 2015 |
| + | Sales during fiscal 2016 (from consolidated  <br>  statements of income) <br> - Collections from customers during fiscal 2016 <br> $=$ Balance at the end of fiscal 2016 |
| $4,825,638$ |  |
|  |  |
|  |  |

Solving for $X$, collections were $\$ 4,636,288$ (\$433,638 + \$4,825,335 - \$622,685). Another way to express this relationship is that when accounts receivable increase during the year, revenues must exceed cash collections. If accounts receivable decrease during the year, cash collections must exceed revenues.

## Req. 2

Net revenues increased overall, however the percentage change is less (21.75\%) in 2016, compared to the 2015 percentage change (28.50\%). Net income increased overall, however the percentage change is less in 2016. (10.49\%) compared to the 2015 percentage change (11.79\%).
Net revenues grew (increased) faster than net income for the period examined. More factors affect net income than net revenues, so it is more likely that net income would increase at a slower rate than net revenues. In the fiscal year 2016, the company's two largest expenses increased substantially, and dragged down net income. Cost of Goods Sold increased 25.61\% and Selling/General/Administrative Expenses increased 21.79\%.

|  | 2016 | 2015 | 2014 |
| :--- | :---: | :---: | :---: |
|  | $\$ 4,825,335$ | $\$ 3,963,313$ | $\$ 3,084,370$ |
| Net revenues (thousands) | 862,022 | 878,943 |  |
| $\$$ change | $21.75 \%$ | $28.50 \%$ |  |
| Percentage change | $(\$ 862,022 \div$ | $\$ 878,943 \div$ |  |
|  | $\$ 3,963,313)$ | $\$ 3,084,370)$ |  |
| Net income (thousands) |  |  |  |
| $\$$ change | $\$ 256,979$ | $\$$ | 232,573 |
| Percentage change | 24,406 | 24,531 | 208,042 |
|  | $10.49 \%$ | $11.79 \%$ |  |
|  | $(\$ 24,406 \div$ | $(\$ 24,531 \div$ |  |

## Group project 1

## Requirements

1. Make a detailed list of 10 factors you must consider as you establish the business.
2. Describe 10 of the items your business must arrange to promote and stage the concert.
3. Identify the transactions that your business can undertake to organize, promote, and stage the concert. Journalize the transactions, and post to the relevant T-accounts. Set up the accounts you need for your business ledger.
4. Prepare the income statement, statement of retained earnings, and balance sheet immediately after the rock concert-that is, before you have had time to pay all the business bills and to collect all receivables.
5. Assume that you will continue to promote rock concerts if the venture is successful. If it is unsuccessful, you will terminate the business within three months after the concert. Discuss how to evaluate the success of your venture and how to decide whether to continue in business.

## Solution:

Student responses will vary.

## Group project 2

## Requirements

1. Obtain a copy of the business's chart of accounts.
2. Prepare the company's financial statements for the most recent month, quarter, or year. You may use either made-up account balances or balances supplied by the owner.

## Solution:

Student responses will vary.


[^0]:    Cash balance $=\$ 335(\$ 8,500+\$ 9,000-\$ 13,000+\$ 45-\$ 310-\$ 3,900)$
    Company owes \$34,490 (\$9,000 + \$800 + \$25,000 - \$310)

[^1]:    Cash balance $=\$ 2,100(\$ 8,800+\$ 8,500-\$ 11,000+\$ 90-\$ 290-\$ 4,000)$ Company owes \$32,110 (\$8,500 + \$900 + \$23,000 - \$290)

[^2]:    The balances of all the accounts Cash through Common Stock agree with the ending balances obtained in Problem 2-59A.

