CHAPTER 7

USING THE while STATEMENT

The answers for the Using the while Statement section are located at the end of the section.

- 1. Write a pretest loop that adds together the integers from 10 through 100. Use an int variable named num to keep track of the integers, and use an int variable named sum to store the sum of the integers. The num variable was initialized to 10 when it was declared. The sum variable was initialized to 0 when it was declared. Use the while statement.
- 2. Write a while clause that will stop the pretest loop when the value in the inStock variable is less than or equal to the value in the reorder variable.
- 3. A char variable named letter contains an uppercase letter. Write a while clause that processes the loop instructions as long as the variable's value is either Y or T.
- 4. Write a pretest loop that adds together the integers 5, 15, 25, 35, 45, 55, 65, 75, 85, and 95. Use an int variable named num to keep track of the integers. Store the sum in an int variable named sum. The num variable was initialized to 5 when it was declared. The sum variable was initialized to 0 when it was declared. Use the while statement.
- 5. Write a pretest loop that displays the numbers .05, .06, .07, .08, .09, .10, .11, .12, .13, .14, and .15. Use the num variable to keep track of the numbers. The variable has the double data type and was initialized to .05 when it was created. Use the while statement.

ANSWERS FOR THE USING THE while STATEMENT SECTION

```
1.
     while (num \leq 100)
          sum += num;
         num += 1;
     } //end while
2.
     while (inStock > reorder)
     while (letter == 'Y' || letter == 'T')
     while (num \le 95)
          sum += num;
         num += 10;
     } //end while
     while (num \le .15)
          cout << num << endl;
         num += .01
       //end while
```

USING THE for STATEMENT

The answers for the Using the for Statement section are located at the end of the section.

- 1. Write a pretest loop that adds together the integers from 10 through 100. Use an int variable named num to keep track of the integers, and use an int variable named sum to store the sum of the integers. Use the for statement.
- 2. Write a pretest loop that adds together the integers 5, 15, 25, 35, 45, 55, 65, 75, 85, and 95. Use an int variable named num to keep track of the integers. Store the sum in an int variable named sum. Use the for statement.
- 3. Write a pretest loop that displays the numbers .05, .06, .07, .08, .09, .10, .11, .12, .13, .14, and .15. Use a double variable named num to keep track of the numbers. Use the for statement.
- 4. A char variable named letter contains an uppercase letter. Write a for clause that processes the loop instructions as long as the variable's value is either Y or T.
- 5. Write a for clause that will stop the pretest loop when the value in the inStock variable is less than or equal to the value in the reorder variable.

ANSWERS FOR THE USING THE for STATEMENT SECTION