1. The term customer is used to describe the person, group, or organization that is asking you to write a program.
2. A software requirement is a single task that the program must perform to satisfy the customer.

6. The ovals are terminal symbols. Parallelograms are used as input and output symbols.

8. print(‘Python’s the best!’)

9. print(‘The cat said “meow”.’)

11. 99bottles

12. No because variables are case sensitive.

13. No, the left side must be the variable.

14. The value is val

15. “value1” would be an int. “value2” would be a float. “value3” would be a float. “value4” would be an int. “value5” would be a str.

16. 0

19. 21, 2, 31, 24, 2, 69

20. 4

21. 1

22. To suppress the newline, pass the special argument end=’ ’.

23. To display multiple items, use the + operator.

24. The “\n” causes the output to advance to the next line.

28. A few advantages to named constants is the value does not change during the programs execution, widespread changes can be made to the program, and it prevents the typographical errors that are common when using magic numbers.

29. DISCOUNT = 0.10