

Chapter 4 Test

True/False

Indicate whether the sentence or statement is true or false.

- ___ 1. A variable is a named memory location that stores a value.
- ___ 2. A numeric variable is automatically initialized to 1 in Visual Basic .NET.
- ___ 3. A **single** is a numeric value that can contain a decimal portion.
- ___ 4. Multiple variables with the same data type can be declared in a single statement.
- ___ 5. A variable can store more than one value at any given time.
- ___ 6. An example of a Visual Basic .NET keyword is **single**.
- ___ 7. **Boolean** variables are initialized to True.
- ___ 8. **String** variables are initialized to **Nothing**.
- ___ 9. A value with a decimal portion is automatically rounded to a whole number when assigned to an **Integer** variable.
- ___ 10. A local declaration allows a variable to be used anywhere in the module or form.

Multiple Choice

Identify the letter of the choice that best completes the statement or answers the question.

- ___ 11. Which object allows users to enter values?
 - a. a Label object
 - b. a Button object
 - c. a TextBox object
 - d. a MainMenu object
- ___ 12. A label placed near a text box that describes its contents or purpose is called a
 - a. text box label.
 - b. prompt.
 - c. question.
 - d. content label.
- ___ 13. The TextBox control Name property
 - a. sets the alignment of the text relative to the text box.
 - b. sets the alignment of the text relative to the form.
 - c. determines what text is displayed in the text box.
 - d. identifies a control for the programmer.

Chapter 4 Test (continued)

- ___ 14. The TextBox control Text property
- a. sets the alignment of the text relative to the text box.
 - b. sets the alignment of the text relative to the form.
 - c. determines what text is displayed in the text box.
 - d. identifies a control for the programmer.
- ___ 15. A procedure that performs a task and returns a value is called
- a. an assignment.
 - b. a text changed event.
 - c. a function.
 - d. an event procedure.
- ___ 16. A named memory location which stores a value that cannot be changed from its initial assignment is called a
- a. constant.
 - b. variable.
 - c. procedure.
 - d. function.
- ___ 17. Which data type should be used to represent values with a decimal portion?
- a. **Single**
 - b. **Integer**
 - c. **Short**
 - d. **Boolean**
- ___ 18. Which data type should be used to represent single characters?
- a. **Boolean**
 - b. **Char**
 - c. **String**
 - d. **Long**
- ___ 19. Misspelling the word `Integer` would result in which type of error?
- a. syntax error
 - b. logic error
 - c. dynamic error
 - d. run-time error
- ___ 20. Which type of error produces undesired or unexpected results?
- a. syntax error
 - b. logic error
 - c. dynamic error
 - d. run-time error
- ___ 21. Which type of error halts the program when a statement cannot be executed?
- a. syntax error
 - b. logic error
 - c. semantic error
 - d. run-time error
- ___ 22. The statement `sngWeight=Val("Forty-eight kilograms")` returns a value of
- a. forty-eight.
 - b. 48.
 - c. 0.
 - d. 48 kilograms.
- ___ 23. In the assignment statement `Dim intNew As Integer = 5.6`, `intNew` is assigned the value
- a. 0.
 - b. 5.
 - c. 5.6.
 - d. 6.

Chapter 4 Test (continued)

Completion

Complete each sentence or statement.

24. _____ is the value of intX in the assignment statement below.

```
Dim intX As Integer
intX = 14 \ 3
```

25. _____ is the value of intX in the assignment statement below.

```
Dim intX As Integer
intX = 14 Mod 3
```

26. _____ would be the final value of the variable intY after the statements below are executed.

```
Dim intX As Integer = 20
Dim intY As Integer
intX = 5 * 2
intY = intX * 3
```

Matching

Match the prefix with the data type.

- | | |
|--------|--------|
| a. srt | f. dec |
| b. int | g. chr |
| c. lng | h. str |
| d. sng | i. bln |
| e. dbl | |

- ___ 27. **Double**
- ___ 28. **Long**
- ___ 29. **Boolean**
- ___ 30. **Character**
- ___ 31. **Short**
- ___ 32. **String**
- ___ 33. **Integer**
- ___ 34. **Single**
- ___ 35. **Decimal**

Chapter 4 Test (continued)

Which data type would the variable representing the following values need to be?

- a. number of workers in a small company
- b. company name
- c. letter grade
- d. the amount of a pay check

___ 36. **String**

___ 37. **Char**

___ 38. **Decimal**

___ 39. **Integer**