

Chapter 3 Test

True/False

Indicate whether the sentence or statement is true or false.

- ___ 1. An event-driven application executes all the program code before responding to any events.
- ___ 2. The Visual Basic .NET IDE menu bar contains buttons that represent different actions.
- ___ 3. A Visual Basic .NET project consists of several related files.
- ___ 4. A Windows application interface includes at least one form.
- ___ 5. The Text property of a Form object defines what is displayed in the title bar of the form.
- ___ 6. The options displayed in an AutoList depend on what was typed just before the dot.
- ___ 7. More than one radio button in a set can be selected at a time.
- ___ 8. Comments affect the way statements execute.
- ___ 9. A numeric expression must be enclosed in quotation marks in an assignment statement.
- ___ 10. There is no difference between the Name and Text properties of a control object.
- ___ 11. Controls can be modified during run time.
- ___ 12. The statement `lblMessage.Text = "Smile!"` sets the Text property of the lblMessage Label object to `Smile!`.
- ___ 13. It is good programming style to begin Button object names with `btn`.

Multiple Choice

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

- ___ 14. What type of programming language is Visual Basic .NET?
 - a. an assembly language
 - b. a machine language
 - c. an object-oriented language
 - d. a low-level language

Chapter 3 Test (continued)

- ___ 15. What can occur when the user interacts with an object?
- a. an application occurrence
 - b. an event
 - c. a handler
 - d. nothing
- ___ 16. Which window displays the application interface and allows objects to be added, deleted, and sized?
- a. the Start window
 - b. the Design window
 - c. the Code window
 - d. the application window
- ___ 17. Which is a difference in the way a form looks between the Design window and run time?
- a. The form no longer displays a grid.
 - b. The form changes color.
 - c. The form gets much larger.
 - d. The form displays each object's Name property.
- ___ 18. Which control is used to add a menu to an interface?
- a. the Label control
 - b. the Button control
 - c. the MainMenu control
 - d. the AddMenu control
- ___ 19. A set of instructions that tells the computer how to perform a specific task is called
- a. a form.
 - b. an interface.
 - c. objects.
 - d. program code.
- ___ 20. Each line of code is called a(n)
- a. form.
 - b. comment.
 - c. statement.
 - d. instruction.
- ___ 21. A Click event procedure responds to
- a. a mouse click.
 - b. the pressing of a key on the keyboard.
 - c. dragging the title bar.
 - d. the movement of the mouse.
- ___ 22. Which statement is used to stop program execution?
- a. **End**
 - b. **Halt**
 - c. **Stop**
 - d. **Quit**
- ___ 23. Which statement declares an event procedure?
- a. **End**
 - b. **End Sub**
 - c. **End Procedure**
 - d. **Sub**
- ___ 24. Which type of statement is used in a procedure to change a value at run time?
- a. a value statement
 - b. a property statement
 - c. an object statement
 - d. an assignment statement
- ___ 25. In the statement, **Me**.lblMessage.Text="Good Morning", **Me** refers to the
- a. selected object.
 - b. type of event.
 - c. Form object.
 - d. Label control.

Chapter 3 Test (continued)

- ___ 26. Which object is used to group related radio buttons?
- a. a Label object
 - b. a GroupBox object
 - c. a MainMenu object
 - d. a Button object
- ___ 27. Which character begins a comment?
- a. a colon (:)
 - b. a double quotation mark (")
 - c. a single quotation mark (')
 - d. a question mark (?)

```
Private Sub btnQuestion1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnQuestion1.Click
    Me.lblAnswer.Text = 5 + 10 - 3
End Sub
```

- ___ 28. In the event procedure above, which type of object is clicked in order to execute the Click event procedure?
- a. a Label object
 - b. a Button object
 - c. a Form object
 - d. a MenuItem object
- ___ 29. In the event procedure above, what is the Name property of the Label object set to?
- a. btnQuestion1
 - b. lblAnswer
 - c. lblAnswer.Text
 - d. Answer

Completion

Complete each sentence or statement.

30. _____ would be displayed if the numeric expression $10 + 6 - 9$ was assigned to the Text property of a Label object.
31. _____ would be displayed if the numeric expression $(3 + 2) * (2 + 5)$ was assigned to the Text property of a Label object.

Short Answer

32. List three guidelines that should be followed so that program code is written using good programming style.