

Name: _____ Class: _____ Date: _____

Chapter 01: An Introduction to Visual Basic 2015

True / False

1. When you click the Auto Hide button on a window, the window is minimized and appears as a tab on the edge of the IDE.

a. True

b. False

ANSWER: True

POINTS: 1

REFERENCES: 15

LEARNING OBJECTIVES: PRBV.ZAK.16.01 - A - Manage windows in IDE

OTHER: The Splash Screen Application

2. A source file contains a list of projects in a solution.

a. True

b. False

ANSWER: False

POINTS: 1

REFERENCES: 16

LEARNING OBJECTIVES: PRBV.ZAK.16.01 - A - Manage windows in IDE

OTHER: The Splash Screen Application

3. The Properties window lists the names of the files included in the application you are creating.

a. True

b. False

ANSWER: False

POINTS: 1

REFERENCES: 17

LEARNING OBJECTIVES: PRBV.ZAK.16.02 - A - Set properties of object

OTHER: The Splash Screen Application

4. When an object is instantiated (created), each property must be assigned a value by the programmer.

a. True

b. False

ANSWER: False

POINTS: 1

REFERENCES: 17

LEARNING OBJECTIVES: PRBV.ZAK.16.02 - A - Set properties of object

OTHER: The Splash Screen Application

5. A class definition is a block of code that specifies or defines an object's appearance and behavior.

a. True

b. False

ANSWER: True

POINTS: 1

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REFERENCES: 19

LEARNING OBJECTIVES: PRBV.ZAK.16.02 - A - Set properties of object

OTHER: Properties of a Windows Form

6. If a solution is already open in the IDE, you are given the option to close the current solution before another solution is opened.

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: 23

LEARNING OBJECTIVES: PRBV.ZAK.16.03 - A - Close and open existing solution

OTHER: Opening an Existing Solution

7. The Label tool is an appropriate control to use when you do not want the user to modify data.

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: 29

LEARNING OBJECTIVES: PRBV.ZAK.16.04 - B - Add a control to form

OTHER: The Label Tool

8. The Project Designer window allows you to specify which form will display when the application starts.

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: 36

LEARNING OBJECTIVES: PRBV.ZAK.16.05 - B - Open Project Designer window

OTHER: Starting and Ending an Application

9. Actions performed by the user such as clicking, double-clicking, and scrolling are known as events.

- a. True
- b. False

ANSWER: True

POINTS: 1

REFERENCES: 38

LEARNING OBJECTIVES: PRBV.ZAK.16.06 - B - Enter code in Code Editor window

OTHER: The Code Editor Window

10. The title bar on a form cannot be removed from splash screen applications.

- a. True
- b. False

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ANSWER: False

POINTS: 1

REFERENCES: 51

LEARNING OBJECTIVES: PRBV.ZAK.16.07 - C - Remove/disable Minimize, Maximize, and Close buttons

OTHER: The MinimizeBox, MaximizeBox, and ControlBox Properties

Multiple Choice

11. A user ____ is what the user sees and interacts with while an application is running.

- a. service b. profile
- c. splash d. interface

ANSWER: d

POINTS: 1

REFERENCES: 13

OTHER: The Splash Screen Application

12. A(n) ____ is a container that stores the projects and files for an entire application.

- a. window b. solution
- c. interface d. package

ANSWER: b

POINTS: 1

REFERENCES: 13

LEARNING OBJECTIVES: PRBV.ZAK.16.08 - A - Create Visual Basic 2015 Windows application

OTHER: The Splash Screen Application

13. The Windows ____ window allows you to create the graphical user interface for your application.

- a. Property b. Solution Designer
- c. Designer d. Form Designer

ANSWER: d

POINTS: 1

REFERENCES: 15

LEARNING OBJECTIVES: PRBV.ZAK.16.01 - A - Manage windows in IDE

OTHER: The Splash Screen Application

14. All objects in an object-oriented program are instantiated (created) from a ____.

- a. object b. method
- c. class d. source

ANSWER: c

POINTS: 1

REFERENCES: 16

LEARNING OBJECTIVES: PRBV.ZAK.16.01 - A - Manage windows in IDE

OTHER: The Splash Screen Application

15. The Solution Explorer window ____.

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- a. displays a list of the projects contained in the current solution
- b. displays data connections and servers
- c. displays items that you can use when creating a project
- d. displays the classes, methods, and properties included in a solution

ANSWER: a

POINTS: 1

REFERENCES: 16

LEARNING OBJECTIVES: PRBV.ZAK.16.01 - A - Manage windows in IDE

OTHER: The Splash Screen Application

16. Each object has a set of attributes, called _____, that determine the object's appearance and behavior.

- a. codes
- b. events
- c. global settings
- d. properties

ANSWER: d

POINTS: 1

REFERENCES: 17

LEARNING OBJECTIVES: PRBV.ZAK.16.02 - A - Set properties of object

OTHER: The Splash Screen Application

17. The position of the form on the screen when an application first starts is controlled by setting the _____ property.

- a. Position
- b. Size
- c. Location
- d. StartPosition

ANSWER: d

POINTS: 1

REFERENCES: 20

LEARNING OBJECTIVES: PRBV.ZAK.16.02 - A - Set properties of object

OTHER: Properties of a Windows Form

18. A _____ is the general shape of the characters in the text.

- a. property
- b. splash
- c. format
- d. font

ANSWER: d

POINTS: 1

REFERENCES: 21

LEARNING OBJECTIVES: PRBV.ZAK.16.02 - A - Set properties of object

OTHER: Properties of a Windows Form

19. When you click the ellipsis (...) button in the Settings box of the Font property, _____.

- a. a list of font styles appears
- b. a color palette appears
- c. a dialog box opens
- d. the attribute is removed

ANSWER: c

POINTS: 1

REFERENCES: 21

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LEARNING OBJECTIVES: PRBV.ZAK.16.02 - A - Set properties of object

OTHER: Properties of a Windows Form

20. To size a form using the keyboard, you can select the form and press and hold the ____ key(s), and then press one of the arrow keys on the keyboard.

- a. Shift b. Ctrl
- c. Alt d. Ctrl+Shift

ANSWER: a

POINTS: 1

REFERENCES: 21

LEARNING OBJECTIVES: PRBV.ZAK.16.02 - A - Set properties of object

OTHER: Properties of a Windows Form

21. Which of the following is an example of an appropriate name for a control?

- a. BtnMessage b. btnExit
- c. labelmessage d. housepicturebox

ANSWER: b

POINTS: 1

REFERENCES: 21

LEARNING OBJECTIVES: PRBV.ZAK.16.02 - A - Set properties of object

OTHER: Properties of a Windows Form

22. To verify that a solution has been closed, you can look in the ____.

- a. Class View b. Server Explorer
- c. Start Page d. Solution Explorer

ANSWER: d

POINTS: 1

REFERENCES: 22

LEARNING OBJECTIVES: PRBV.ZAK.16.03 - A - Close and open existing solution

OTHER: Closing the Current Solution

23. A Visual Basic 2015 solution file will have a(n) ____ file extension.

- a. .net b. .app
- c. .frm d. .sln

ANSWER: d

POINTS: 1

REFERENCES: 23

LEARNING OBJECTIVES: PRBV.ZAK.16.03 - A - Close and open existing solution

OTHER: Opening an Existing Solution

24. The Toolbox window ____.

- a. displays the names of projects and files included in a solution
- b. displays data connections and servers
- c. displays the tools you use when creating your application's interface

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d. displays the classes, methods, and properties included in a solution

ANSWER: c

POINTS: 1

REFERENCES: 28

LEARNING OBJECTIVES: PRBV.ZAK.16.04 - B - Add a control to form

OTHER: The Toolbox Window

25. A label control's ____ property determines the value that appears inside the control.

- a. Caption b. Label
- c. Text d. Values

ANSWER: c

POINTS: 1

REFERENCES: 31

LEARNING OBJECTIVES: PRBV.ZAK.16.09 - B - Set properties of label, picture box, and button controls

OTHER: The Label Tool

26. The location of a control on the screen can be modified by changing the X and Y properties measured in pixels. The Y value is measured from the ____ border.

- a. left b. right
- c. top d. bottom

ANSWER: c

POINTS: 1

REFERENCES: 31

LEARNING OBJECTIVES: PRBV.ZAK.16.09 - B - Set properties of label, picture box, and button controls

OTHER: The Label Tool

27. The location of a control on the screen can be modified by changing the X and Y properties measured in pixels. The X value is measured from the ____ border.

- a. left b. right
- c. top d. bottom

ANSWER: a

POINTS: 1

REFERENCES: 31

LEARNING OBJECTIVES: PRBV.ZAK.16.09 - B - Set properties of label, picture box, and button controls

OTHER: The Label Tool

28. To align two or more selected controls along their left, right, top, or bottom borders, you would use the ____ menu.

- a. Edit b. Format
- c. Align d. View

ANSWER: b

POINTS: 1

REFERENCES: 35

LEARNING OBJECTIVES: PRBV.ZAK.16.10 - B - Select multiple controls

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OTHER: Using the Format Menu

29. In Windows applications, a ____ control is commonly used to perform an immediate action when clicked.

- a. System b. Windows
- c. Forms d. Button

ANSWER: d

POINTS: 1

REFERENCES: 36

LEARNING OBJECTIVES: PRBV.ZAK.16.09 - B - Set properties of label, picture box, and button controls

OTHER: The Label Tool

30. The ____ function key will start a Visual Basic 2015 application in the IDE.

- a. F2 b. F3
- c. F4 d. F5

ANSWER: d

POINTS: 1

REFERENCES: 37

LEARNING OBJECTIVES: PRBV.ZAK.16.11 - B - Start and end application

OTHER: Starting and Ending an Application

31. When an application is started, Visual Basic 2015 will automatically create a file that has the project name and a(n) ____ file extension.

- a. .dll b. .exe
- c. .sln d. .suo

ANSWER: b

POINTS: 1

REFERENCES: 37

LEARNING OBJECTIVES: PRBV.ZAK.16.11 - B - Start and end application

OTHER: Starting and Ending an Application

32. To start an application using the menu bar, you click ____ and then click Start Debugging.

- a. DEBUG b. PROJECT
- c. VIEW d. BUILD

ANSWER: a

POINTS: 1

REFERENCES: 37

LEARNING OBJECTIVES: PRBV.ZAK.16.11 - B - Start and end application

OTHER: Starting and Ending an Application

33. The file within a Visual Basic application that can be run outside of the IDE has a(n) ____ file extension.

- a. .sln b. .vb
- c. .exe d. .src

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ANSWER: c

POINTS: 1

REFERENCES: 37

LEARNING OBJECTIVES: PRBV.ZAK.16.12 - B - Run project's executable file

OTHER: Starting and Ending an Application

34. The set of Visual Basic instructions that tells an object how to behave after an action by the user (such as clicking a button) is referred to as a(n) _____.

- a. sub-program
- b. event procedure
- c. object function
- d. subroutine

ANSWER: b

POINTS: 1

REFERENCES: 38

LEARNING OBJECTIVES: PRBV.ZAK.16.06 - B - Enter code in Code Editor window

OTHER: The Code Editor Window

35. You enter the procedure's code in the _____ window.

- a. Code Editor
- b. Server
- c. Solution
- d. Designer

ANSWER: a

POINTS: 1

REFERENCES: 38

LEARNING OBJECTIVES: PRBV.ZAK.16.06 - B - Enter code in Code Editor window

OTHER: The Code Editor Window

36. When you want the application to end when the user clicks the Exit button, you write the following code: _____.

- a. Me . Stop ()
- b. Me . Close ()
- c. Me . Terminate ()
- d. Me . End ()

ANSWER: b

POINTS: 1

REFERENCES: 40

LEARNING OBJECTIVES: PRBV.ZAK.16.13 - B - Use Me.Close() instruction

OTHER: The Code Editor Window

37. A(n) _____ is a block of code that performs a specific task.

- a. event
- b. form
- c. class
- d. sub procedure

ANSWER: d

POINTS: 1

REFERENCES: 40

LEARNING OBJECTIVES: PRBV.ZAK.16.06 - B - Enter code in Code Editor window

OTHER: The Code Editor Window

38. A(n) _____ is a predefined procedure that you can call (or invoke) when needed.

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- a. method b. object
- c. class d. event

ANSWER: a

POINTS: 1

REFERENCES: 40

LEARNING OBJECTIVES: PRBV.ZAK.16.06 - B - Enter code in Code Editor window

OTHER: The Code Editor Window

39. Which of the following is a true statement?

- a. The `Me.Close()` instruction should be coded in a timer control's Tick event procedure if an Exit button is not provided.
- b. By default, the size of a form cannot be changed by a user while an application is running.
- c. The title bar cannot be removed from an application.
- d. The Minimize button can be removed from the title bar without removing the Maximize button from the title bar.

ANSWER: a

POINTS: 1

REFERENCES: 50, 51

LEARNING OBJECTIVES: PRBV.ZAK.16.07 - C - Remove/disable Minimize, Maximize, and Close buttons
PRBV.ZAK.16.14 - C - Prevent user from sizing form

OTHER: Using the Timer Tool

40. When a timer control is added to a form, it appears ____.

- a. at the location you placed the mouse pointer on the form
- b. on the Title bar
- c. in the component tray
- d. in the lower-right corner of the form

ANSWER: c

POINTS: 1

REFERENCES: 48

LEARNING OBJECTIVES: PRBV.ZAK.16.15 - C - Set properties of timer control

OTHER: Using the Timer Tool

Case-Based Critical Thinking Questions

Case 1

You have been hired to develop an application for Ridgeline Realty, a local real estate agency. The owner wants the application to display an image of the main office and the company logo on the screen for a short period of time before the main application begins.

41. The most effective way to accomplish this task is to create a(n) ____.

- a. PictureBox control b. splash screen
- c. Label control d. Exit button

ANSWER: b

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POINTS: 1
REFERENCES: 9
TOPICS: Critical Thinking
OTHER: The Splash Screen Application

42. To create the Windows application for Ridgeline, you will first need to _____.
a. auto-hide any windows you do not need to use
b. set the StartPosition for the form
c. create a New Project and determine the directory for the solution
d. code the Exit button

ANSWER: c
POINTS: 1
REFERENCES: 13
LEARNING OBJECTIVES: PRBV.ZAK.16.08 - A - Create Visual Basic 2015 Windows application
TOPICS: Critical Thinking
OTHER: The Splash Screen Application

43. An example of a valid value for the form's Name property is _____.
a. form Ridgeline b. formridgeline
c. Ridgeline d. frmRidgeline

ANSWER: d
POINTS: 1
REFERENCES: 20
LEARNING OBJECTIVES: PRBV.ZAK.16.16 - A - Set properties of an object
TOPICS: Critical Thinking
OTHER: Properties of a Windows Form

44. Anyone using the application does not need to change the size of the form, so you must set the FormBorderStyle property to _____.
a. FixedSingle b. Sizable
c. Zero d. False

ANSWER: a
POINTS: 1
REFERENCES: 50
LEARNING OBJECTIVES: PRBV.ZAK.16.14 - C - Prevent user from sizing form
TOPICS: Critical Thinking
OTHER: Setting the FormBorderStyle Property

45. If a timer control is used to display the office image and company logo for five seconds, you will need to set the timer's Interval property to _____.
a. 5 b. 50
c. 500 d. 5000

ANSWER: d

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POINTS: 1

REFERENCES: 49

LEARNING OBJECTIVES: PRBV.ZAK.16.15 - C - Set properties of timer control

TOPICS: Critical Thinking

OTHER: Using the Timer Tool