

Name _____

[/test-bank-programming-with-microsoft-visual-basic-2017-8e-zak](#)

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

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POINTS: 1
 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.

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- a. True
- b. False

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

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OTHER: The Splash Screen Application

15. The Solution Explorer window ____.

- 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

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ANSWER: c
POINTS: 1
REFERENCES: 21
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

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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
- 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 |

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ANSWER: b
 POINTS: 1
 REFERENCES: 35
 LEARNING OBJECTIVES: PRBV.ZAK.16.10 - B - Select multiple controls
 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

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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 |

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

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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.

- 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
OTHER: PRBV.ZAK.16.14 - C - Prevent user from sizing form
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

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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

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

Name _____ Class _____ Date _____
: _____ : _____ e: _____

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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

POINTS: 1

REFERENCES: 49

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

TOPICS: Critical Thinking

OTHER: Using the Timer Tool