Test Bank for Introduction to Programming Using Visual Basic 10th Schneider

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Chapter 2 Visual Basic, Controls, and Events

Section 2.1 An Introduction to Visual Basic 2015

1. Programming in VB 2015 is different from traditional programming environments because first you should

   (A) write the code.
   (B) input the data.
   (C) name the buttons.
   (D) draw the user interface.
   D

2. GUI stands for

   (A) graphical user interface.
   (B) graphing user introduction.
   (C) graphical unit interface.
   (D) graphical user input.
   A

3. A mouse click is an example of an event. (T/F)
   T

Section 2.2 Visual Basic Controls

1. Press F4 to

   (A) run a program.
   (B) display the Properties window.
   (C) display the Solution Explorer window.
   (D) terminate a program.
   B

2. Which of the properties in a control's list of properties is used to give the control a meaningful name?

   (A) Text
   (B) ContextMenu
   (C) ControlName
   (D) Name
   D

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3. Visual Basic access keys are created by using which symbol in a button's Text property?

(A) @
(B) &
(C) %
(D) #
B

4. Which of the following steps specifies *P* as the access key for a button?

(A) Set the Text property to Com_pute.
(B) Set the Text property to Com&pute.
(C) Set the Text property to &Com_pute.
(D) Set the Text property to comPute.
B

5. When a Visual Basic program is running, the user can move from one control to another using the keyboard by pressing the

(A) Tab key.
(B) Space bar.
(C) Enter key.
(D) Backspace key.
A

6. Which of the following properties determines the words appearing in a form's title bar?

(A) Text
(B) Caption
(C) Name
(D) Title
A

7. What effect will the following statement have?

```
lblOne.Visible = False
```

(A) Enable lblOne
(B) Delete lblOne
(C) Make lblOne invisible
(D) It is not a valid Visual Basic statement.
C

8. When creating a new program in Visual Basic, you are asked to supply a name for the program. If you do not specify a name, a default name is used. What is this default name?

(A) Wapplication followed by a number.
(B) Application followed by a number.
(C) WindowsApplication.
(D) WindowsApplication followed by a number.
D

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9. In Visual Basic, tooltips assist by showing a small caption about the purpose of each icon on the Toolbar. How do you make a tooltip appear?

(A) Right click the Toolbar icon and select purpose from the available options.
(B) Position the mouse pointer over the icon for a few seconds.
(C) Hold down a shift key, then click the appropriate Toolbar icon to display its purpose.
(D) Hold down the Alt key, then click the appropriate Toolbar icon to display its purpose.
B

10. The Properties window plays an important role in the development of Visual Basic programs. It is mainly used

(A) to change how objects look and feel.
(B) when opening programs stored on a disk.
(C) to allow the developer to graphically design program components.
(D) to set program related options like Program Name, Program Location, etc.
A

11. Sizing Handles make it very easy to resize virtually any control when developing programs with Visual Basic. When working in the Form Designer, how are these sizing handles displayed?

(A) A rectangle with 4 arrows, one in each corner, around your control.
(B) A 3-D outline around your control.
(C) A rectangle with small squares around your control.
(D) None of the above
C

12. The Font dialog box allows you to select different Fonts, their style, their size, and some other special effects. How do you bring up this Font dialog box?

(A) In the Properties window, click the ellipsis (…) on the right side of the settings box for the Font property.
(B) Double-click the control, and select Font Property.
(C) Right-click the control, and select Font Property.
(D) None of the above
A

13. What keyboard shortcut is used to run the current program?

(A) F4
(B) F5
(C) F6
(D) F7
B

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14. What would be a good name for a text box to hold a person's first name?

(A) txtFirstName
(B) FirstName
(C) txt First Name
(D) First Name
A

15. What feature in Visual Basic allows you to make more room on your screen by temporarily concealing certain windows?

(A) Help
(B) Auto Hide
(C) Auto Minimize
(D) Expert-View
B

16. What property is available for most controls that allows you to hide/unhide them either manually by setting the property or by setting it during run time via code?

(A) Clear
(B) Refresh
(C) Visible
(D) View-Control
C

17. What property of controls tells the order they receive the focus when the tab key is pressed during run time?

(A) Focus order
(B) Focus number
(C) Tab index
(D) Control order
C

18. What is the default tab index of the first object placed on a form?

(A) 0
(B) 1
(C) First
(D) None of the above
A

19. What property of a control determines whether the control can receive the focus during run time?

(A) TabOrder
(B) Focus
(C) TabIndex
(D) TabStop
D

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20. What menu is used to align controls on a form?

(A) View
(B) Window
(C) Build
(D) Format
D

21. Which of the following is not a submenu of the *Format* menu?

(A) Align
(B) Make Same Size
(C) Center in Form
(D) Widen
D

22. What property causes a control to disappear when set to False?

(A) Detectible
(B) Visible
(C) Disabled
(D) Supported
B

23. What property restricts the use of a control when set to False?

(A) Available
(B) Accessible
(C) Enabled
(D) Supported
C

24. Changing a control's Text property also changes how you refer to the control in code. (T/F)
F

25. You can display the Properties window by pressing F4. (T/F)
T

26. The Properties window is used to change how objects look and react. (T/F)
T

27. When working with text boxes, the sizing handles allow you to resize the object by dragging to make it wider or narrower. (T/F)
T

28. Once a text box control is placed on a form, it cannot be resized or moved. (T/F)
F

29. F5 is the keyboard shortcut used to activate the Properties window. (T/F)
F

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30. Once a control is placed on a form, you can rename it by editing the Name property in the Properties window. (T/F)
    T

31. The Description pane, located below the Properties windows, shows a brief explanation of the highlighted property. (T/F)
    T

32. The ForeColor property of a text box changes the color of the form containing the text box. (T/F)
    F

33. Shortcut keys like F5 (Run), allow you to perform certain tasks without the use of the mouse. (T/F)
    T

34. The recommended prefix for the name of a button control is *btn*. (T/F)
    T

35. The Auto Hide feature of the Toolbox is active when the pushpin is horizontal. (T/F)
    T

36. A group of several controls can be resized or moved simultaneously. (T/F)
    T

37. The control with tab index 1 is always the first control to receive the focus when the program is run. (T/F)
    F

38. Snap lines can be used to align the bottoms, middles, and tops of controls. (T/F)
    T

39. The key combination Shift + *arrow key* can be used to resize a control or a group of controls. (T/F)
    T

Section 2.3 Visual Basic Events

1. When the user clicks a button, _____ is raised.

   (A) an event
   (B) a method
   (C) a setting
   (D) a property
   A

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2. Which of the following is not one of the three steps used to create a Visual Basic program?

(A) create the interface
(B) set the properties of the objects
(C) specify the methods
(D) write the code

C

3. IntelliSense is a technology built into Visual Basic that assists the programmer by

(A) automatically inserting text and words that have similar meaning to those currently being entered by the programmer.
(B) allowing the programmer to edit object properties from inside the code window.
(C) replacing misspelled words with the correct spelling as soon as the programmer presses the Enter key.
(D) automatically displaying the methods and properties available to a control.

D

4. What of the following is a correct statement for specifying the words to appear in the title bar of Form1?

(A) `Form1.Text = "My Text"`
(B) `Form1.TitleBar = "My Text"`
(C) `Me.Text = "My Text"`
(D) `Me.Caption = "My Text"`

C

5. When will the following event procedure be executed?

```
Private Sub txtBox_TextChanged(...) Handles txtBox.TextChanged
```

(A) when text is added to the text box
(B) when text is deleted from the text box
(C) when text is modified inside the text box
(D) All of the above

D

6. Which of the following statements specifies that the color of the text in txtBox be red?

(A) `txtBox.Text = Color.Red`
(B) `txtBox.ForeColor = Color.Red`
(C) `txtBox.ForeColor = Red`
(D) `txtBox = Color.Red`

B

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7. The statement

```
btnButton.Focus()
```

(A) has no effect.
(B) moves the focus to the button `btnButton`.
(C) has the same effect as clicking on the button `btnButton`.
(D) is invalid in Visual Basic.
B

8. Which of the following statements sets the words on a button to "Push Me"?

(A) `btnButton.Name = "Push Me"`
(B) `btnButton.Text = Push Me`
(C) `btnButton.Text = "Push Me"`
(D) `btnButton = "Push Me"`
C

9. Which of the following is a valid statement in Visual Basic?

(A) `Form1.Text = "Revenue"`
(B) `Form1.Caption = "Revenue"`
(C) `btnButton.Text = Push Me`
(D) `Me.Text = "Revenue"`
D

10. A user action such as clicking a button is called

(A) an accident
(B) an event
(C) a procedure
(D) a property
B

11. Visual Basic responds to events using which of the following?

(A) a code procedure
(B) an event procedure
(C) a form procedure
(D) a property
B

12. Which of the following statements will place "Greetings" in the title bar of a form?

(A) `Me.Title = "Greetings"`
(B) `Me.Text = "Greetings"`
(C) `Me.Name = "Greetings"`
(D) `Me.Heading = "Greetings"`
B

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13. The following lines of code are valid. (T/F)

```
Private Sub Click(...) Handles Click
  txtBox.Text = ""
End Sub
```

F

14. *Keywords* are also referred to as *reserved words*. (T/F)

T

15. Complete Word is a helpful feature produced by the Microsoft Technology called IntelliSense. (T/F)

T

16. The Visual Basic Code Editor will automatically detect certain types of errors as you are entering code. (T/F)

T

17. The statement

```
txtBox.Font.Bold = True
```

will produce an error message when Visual Basic tries to execute it. (T/F)

T

18. The Visual Basic Code Editor automatically capitalizes the first letters of reserved words. (T/F)

T

19. The first line of an event procedure must contain both the keyword Sub and Handles. (T/F)

T

20. The statement `btnButton = "Press"` produces an error message. (T/F)

T

21. The Properties window cannot be used to display the events associated with a control. (T/F)

F

22. Write a statement that gives the focus to btnCompute.

```
btnCompute.Focus()
```

23. Write a statement that disables btnCompute.

```
btnCompute.Enabled = False
```

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