

**Focus** describes the attribute of a Form control that stands out visually from the others and that reacts to keyboard input.

**Tab order** describes the sequence of controls selected when the user presses the Tab key.

A **proportional font** is one in which different characters have different pitches or widths.

A **fixed-pitch font** is one in which each character occupies the same width.

A **monospaced font** is one in which each character occupies the same width.

**Code refactoring** is the process of changing a program's internal structure without changing the way the program works.

An **orphaned method** is one that never executes in an application and thus serves no purpose.

## Review Questions

1. Which of the following is a GUI object that provides an interface for collecting, displaying, and delivering information and that contains other controls?
  - a. Button c. TextBox
  - b. Form d. Label
2. In the Visual Studio IDE main window, where does the menu bar lie?
  - a. vertically along the left border
  - b. vertically along the right border
  - c. horizontally across the bottom of the window
  - d. horizontally across the top of the window
3. In the IDE, the area where you visually construct a <sup>Form</sup> is the \_\_\_\_\_.
  - a. Toolbox c. Easel
  - b. Form Designer d. Sandbox
4. When you create a new Windows Forms project, by default the first <sup>Form</sup> you see is named \_\_\_\_\_.
  - a. Form c. Form1
  - b. FormA d. FormAlpha

5. The `Form` class has \_\_\_\_\_ properties.
- a. three [c. about 100](#)
  - b. ten
  - d. about 1000

## CHAPTER 3

## Using GUI Objects and the Visual Studio IDE

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6. Which of the following is not a `Form` property?
- a. `BackColor`
  - c. `Text`
  - b. `Size`
  - [d. `ProjectName`](#)
7. Which of the following is a legal `Form Name` property value?
- a. [`PayrollForm`](#)
  - c. either of the above
  - b. `Payroll Form`
  - d. none of the above
8. Which of the following is a legal `Form Text` property value?
- a. `PayrollForm`
  - c. either of the above
  - b. `Payroll Form`
  - [d. none of the above](#)
9. Which of the following does not appear in the IDE's Toolbox list?
- a. `Label`
  - [c. `Text`](#)
  - b. `Button`
  - d. `TextBox`
10. After you have dragged a `Button` onto a `Form` in the IDE, you can double-click it to \_\_\_\_\_.
- a. delete it
  - b. view its properties
  - [c. create a method that executes when a user clicks the `Button`](#)
  - d. increase its size
11. The `button1_a.Click()` method that is generated by the IDE \_\_\_\_\_.
- [a. has a \*private\* access specifier](#)
  - b. is nonstatic
  - c. contains parameters between its parentheses
  - d. all of the above

12. A(n) \_\_\_\_\_ is generated when a user interacts with a GUI object.
- a. error
  - b. occasion
  - c. Method
  - d. event
13. If you create a Button named yesButton, the default name of the method that responds to clicks on it is \_\_\_\_\_.
- a. button1\_Click()
  - b. yesButton\_Method()
  - c. click\_YesButton()
  - d. yesButton\_Click()
14. Statements allowed in a Click() method include \_\_\_\_\_.
- a. variable declarations
  - b. arithmetic statements
  - c. both of the above
  - d. none of the above
15. \_\_\_\_\_ are controls through which a user can enter input data in a GUI application.
- a. Labels
  - b. Tags
  - c. Tickets
  - d. TextBoxes
16. The value in a TextBox is \_\_\_\_\_.
- a. an <sup>int</sup>
  - b. a <sup>double</sup>
  - c. a string
  - d. It might be any of the above.
17. Which of the following is a legal and conventional name for a TextBox?
- a. Salary TextBox
  - b. salaryTextBox
  - c. both of the above
  - d. none of the above
18. The process of changing a program's internal structure without changing the way the program works is \_\_\_\_\_.
- a. compiling
  - b. debugging
  - c. code refactoring
  - d. systems analysis

19. If you inadvertently create a `Click()` method for a control that should not generate a click event, you can successfully eliminate the method by \_\_\_\_\_.
- a. deleting the method code from the `Form1.cs` file
  - b. eliminating the method from the list in the Properties window
  - c. adding the method to the Discard window
  - d. making the method a comment by Events placing two forward slashes at the start of each line
20. Of the following, the most significant difference between many console applications and GUI applications is \_\_\_\_\_.
- a. their appearance
  - b. their ability to accept input
  - c. their ability to perform calculations
  - d. their ability to be created using C#