Programming with C#

# Data Types, Variables, and Statements Practice

1. Open Visual Studio if it is not already open.
2. Locate the folder where you extracted the companion content.
3. In the Chapter 2 folder, locate either the Windows 7 or Windows 8 folder.
4. Open the PrimitiveDataTypes solution .
5. Locate the Solution Explorer windows in the right pane of Visual Studio. If it is not visible, select the View menu and then Solution Explorer.
6. Expand MainWindows.xaml.
7. Double click MainWindows.xaml.cs. This file contains the C# code you will view and edit
8. Locate the private void typeSelectionChanged(object sender, SelectionChangedEventArgs e) method.
9. Notice that this method has a switch statement that lists data types and calls the appropriate method.
10. Scroll down in the code editor and notice that some of the methods are completed, such as showLongValue() and showFloatValue().
11. Locate all of the methods that are not complete yet. They contain value.Text = "to do";
12. Using the knowledge you have gained from the course readings and demos and the code in the completed methods, add the necessary code to complete these “to do” methods to display the correct data type by;
    1. Declaring a variable of the correct data type
    2. Assign a legal, literal value to the variable
    3. Modify the value.Text = "to do"; text to display the value in the UI
13. Select the Debug menu, and then Start Debugging, or press the F5 key.
14. Select each data type in the list.
15. Ensure that the correct value is displayed in the Sample Value text box.
16. Fix any errors that may occur.
17. If all goes as planned, close the application.
18. Select the File menu in Visual Studio.
19. Select Close Solution.
20. Leave Visual Studio open if you will complete the next practice in this module.