**Quiz 1 –**

* You can use the Step Out command to
  + **execute all statements in the rest of the current method without interruption**
* What form property do you use to activate a button control when the user presses the Enter key?
  + **AcceptButton property**
* Code Example 4-1:

decimal a = 2.5m;

decimal b = 4.0m;

decimal c = 12.7m;

int i = 4;

int j = 8;

int k = 17;

(Refer to Code Example 4-1.) What is the value of x after the following statement is executed?

int x = i + j;

* + **12**
* What is the value of result if the user clicks the first button in the dialog box displayed by the following statement?

DialogResult result = MessageBox.Show("Are you sure you want to exit?",

"Closing",

MessageBoxButtons.YesNo,

MessageBoxIcon.Question,

MessageBoxDefaultButton.Button2);

* **DialogResult.Yes**
* What is displayed in the text portion of the combo box cboNames after the following method is called?

private void select()

{

cboNames.Items.Clear();

string names = {"Robbie", "Maria", "Sheldon"};

foreach (string name in names)

cboNames.Items.Add(name);

cboNames.SelectedIndex = 1;

}

* **Maria**
* Assuming that a variable named sales contains a string that represents a valid decimal number, which of the following statements is valid code for converting the sales string to a decimal value?
  + **decimal d = Decimal.Parse(sales);**
* What keyword do you code for the return type of a method that doesn't return any data?
  + **void**
* What is the name of the Visual Studio window that contains controls that you can drag on to a form?
  + **Toolbox**
* How do you display a data tip for a property when the application is in break mode?
  + **In the Code Editor, move the mouse pointer to the property and allow it to remain there for a moment.**
* Which of the following message boxes is created by this statement:

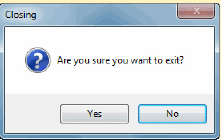
MessageBox.Show("Are you sure you want to exit?",

"Closing",

MessageBoxButtons.YesNo,

MessageBoxIcon.Question,

MessageBoxDefaultButton.Button2);



* One benefit of the Edit and Continue feature is that it lets you
  + **find and fix more than one bug in a single test run**
* To cancel the FormClosing event of a form, you can
  + **set the Cancel property of the CancelEventArgs object to true**
* Assuming total is a decimal variable, which of the following statements does not convert it to a string?
  + **string s = String.Parse(total);**
* Before a C# application can be run, it must be compiled into a language called
  + **Microsoft Intermediate Language**
* If you declare a variable within a method, the variable will be available
  + **only within that method**
* What is the value of the cityState string after these statements are executed?

cityState = "Milwaukee";

cityState += ",";

cityState = "Wisconsin";

* **Wisconsin**
* If you pass a variable by value, the called method
  + **can't change the value of the variable in the calling method**
* In a do-while loop, the Boolean expression is tested
  + **after the loop is executed**
* A data tip
  + **displays the value of a variable or property**
* What is the name of the method generated when you double-click a button named btnProcess in the Form Designer?
  + **btnProcess\_Click**
* You can change the values of variables from all but one of the following windows. Which one is it?
  + **Locals window**
* An enumeration defines a set of related
  + **Constants**
* When validating data entered into the text boxes of a form, it is not common to check whether
  + **all text entries are non-numeric**
* Two properties that are common to both forms and controls are the
  + **Name and Text properties**
* Which statement is equivalent to the following statement?

total = total + tax;

* **Total += tax;**
* To change the name of all instances of a variable name after you change the first instance, you can use
  + **Refactoring**
* Suppose that your application uses a loop that isn't producing the intended results. The best way to analyze what's going on in the loop is to set a breakpoint at the start of the loop, step through the loop, and monitor the changes in the variables within the loop by using
  + **Watch window**
* What will the cboNumbers combo box contain if the following method is called twice?

private void fill()

{

for (int i = 1; i < 5; i++)

{

cboNumbers.Items.Clear();

cboNumbers.Items.Add(i);

}

}

* **4**
* If you want to load values into a combo box when a form is first displayed, where should you put the code that fills the combo box?
  + **In the Load method of the form**
* Which of the following statements creates a DateTime value whose date is set to March 28, 2010 (assume the computer's regional settings are configured for the United States)?
  + **DateTime date = DateTime.Parse("03/28/2010");**
* The bool data type stores a
  + **True or false value**
* The first expression that's coded within the parentheses in a for loop
  + **assigns a starting value to a counter variable**
* An assembly is
  + **an executable file that includes the MSIL or IL**
* When you’re in break mode, you can
  + **press F11 to step through the program one statement at a time**
* What is the primary difference in the use of radio button and check box controls?
  + **Radio buttons work as a group; check boxes work independently.**
* Code Example 4-1:

decimal a = 2.5m;

decimal b = 4.0m;

decimal c = 12.7m;

int i = 4;

int j = 8;

int k = 17;

(Refer to Code Example 4-1.) What is the value of x after the following statement is executed?

decimal x = i / j;

* **0.0**
* The forms of a Web Forms application are displayed in a
  + **Web browser**
* Code example 7-1

private void btnCalculate\_Click(object sender, System.EventArgs e)

{

decimal weightInPounds = 0m;

try

{

weightInPounds = Convert.ToDecimal(txtPounds.Text);

if (weightInPounds > 0)

{

decimal weightInKilos = weightInPounds / 2.2m;

lblKilos.Text = weightInKilos.ToString("f2");

}

else

MessageBox.Show("Weight must be greater than 0.", "Entry error");

txtPounds.Focus();

}

catch(FormatException)

{

MessageBox.Show("Weight must be numeric.", "Entry error");

txtPounds.Focus();

}

}

(Refer to code example 7-1.) What type of data validation does this program do?

* **range checking and valid data type checking**
* Code Example 4-1

decimal a = 2.5m;

decimal b = 4.0m;

decimal c = 12.7m;

int i = 4;

int j = 8;

int k = 17;

(Refer to Code Example 4-1.) What is the value of x after the following statement is executed?

int x = k / (j - i);

* **4**
* To create an access key that will move the focus to a text box, you
  + **set the access key in the Text property of the label immediately before the text box**
* What key do you press to run statements uninterrupted until the next breakpoint?
  + **F5**
* Code Example 4-1

decimal a = 2.5m;

decimal b = 4.0m;

decimal c = 12.7m;

int i = 4;

int j = 8;

int k = 17;

(Refer to Code Example 4-1.) What is the value of x after the following statement is executed?

decimal x = a + b;

* **6.5**
* What is the value of the variable named s after the following statements are executed?

decimal d = 3892.22m;

string s = String.Format("{0:####0.00}", d);

* **3892.22**
* When an application encounters a problem that prevents a statement from being executed,
  + **a runtime error occurs**
* Code example 7-1

private void btnCalculate\_Click(object sender, System.EventArgs e)

{

decimal weightInPounds = 0m;

try

{

weightInPounds = Convert.ToDecimal(txtPounds.Text);

if (weightInPounds > 0)

{

decimal weightInKilos = weightInPounds / 2.2m;

lblKilos.Text = weightInKilos.ToString("f2");

}

else

MessageBox.Show("Weight must be greater than 0.", "Entry error");

txtPounds.Focus();

}

catch(FormatException)

{

MessageBox.Show("Weight must be numeric.", "Entry error");

txtPounds.Focus();

}

}

(Refer to code example 7-1.) If the user enters "200#" in the text box and clicks the Calculate button, what does the code do?

* **It displays a dialog box with the message "Weight must be numeric."**
* You can use the Tag property of a form to get or set
  + **Any type of data**
* What happens if the event handler for a form's FormClosing event doesn't do anything?
  + **The form is closed**
* To change the file name for a form, project, or solution you use the
  + **Solution Explorer**
* Which of the following is not defined by a class?
  + **Notices**
* What is the term for a method that responds to events?
  + **Event handler**
* Code Example 4-1

decimal a = 2.5m;

decimal b = 4.0m;

decimal c = 12.7m;

int i = 4;

int j = 8;

int k = 17;

(Refer to Code Example 4-1.) What is the value of x after the following statement is executed?

decimal x = (decimal)i / (decimal)j;

* **0.5**
* What type of data will the following method return?

private string GetName(int customerID, bool readOnly)

* **A string type**
* To say that a C# application is event-driven means that it responds to
  + **user events and other types of events**
* A structure is
  + **A value type**
* To work with the files of a solution, you use a Visual Studio window called the
  + **Solution Explorer**
* You should validate user entries rather than catch and handle exceptions caused by invalid entries whenever possible because
  + **Your code will run faster**
* One common cause of a runtime error is
  + **a user entry that can't be converted to a number**
* What does the following code do?

txtMonthlyInvestment.Focus();

* **calls the Focus method of the txtMonthlyInvestment control**
* Suppose that your application throws a format exception and enters break mode with the statement that caused the exception highlighted. What's the quickest way to find the bug?
  + **Use data tips to review the data in the variables in the highlighted statement**
* What keyword do you code at the beginning of a method that's only available within the current class?

**private**