Visual Basic
Ch 5 Practice Test

Name –

Period –

Part I True/False - Circle the numbers of the exercises that are false.

True 1. The `MessageBox.Show` method returns a value based on which button on the InputBox was clicked.
False 2. It is possible to change the background color of an input box with techniques learned in our VB class.
True 3. A two-dimensional array can be initialized with specific values in its declaration statement.
True 4. If the `Interval` property of a `Timer` object is set to the value 1000, the enabled `Timer` will execute every second.
False 5. OK and Cancel buttons appear in a message box if `MessageBoxButtons.OkCancel` is used as the first parameter of the `MessageBox.Show` method.
False 6. The `ReadLine` method is used to store data in a text file.

Part II Write the Code

1. Write a call statement that calls a method named `DrawMaze` and passes no parameters.

```
DrawMaze()
```

2. Write a line of code that hides the form named `frmMain`

```
frmMain.Hide()
```

3. Write a line of code that stores the number of seconds that have elapsed since midnight into the variable `mintBegin`.

```
intBegin = DateAndTime.Timer()
```

4. Write a line of code that turns on a `Timer` object named `tmrMissile`.

```
tmrMissile.Enabled = True
```

5. Write a line of code that declares a `StreamWriter` object named `outputFile`.

```
Dim outputFile As StreamWriter
```

6. Write a line of code that calls a function named `dblAdd`. Pass 2 parameters named `dblOperand1` and `dblOperand2` to the function. The line of code must also assign the value returned by the function to a variable named `dblResult`.

```
dblResult = dblAdd(dblOperand1, dblOperand2)
```

7. Write a statement that assigns the string value entered into an input box to the variable `strName`. The prompt message "Enter your name" should appear inside the input box and the title of the input box should be "Question". Also, the word "anonymous" should appear as the default value inside the input box's text box.

```
strName =  InputBox("Enter your name ",  "Question", "anonymous")
```

8. Write a line of code that would play a sound clip named bang.wav. You can assume that the necessary "`Private Declare...`" function declaration statement has already been typed. You can also assume that the bang.wav audio file is located in your project's bin folder.

```
PlaySound("bang.wav", 0,  1)
```

9. Write a line of code that closes a `StreamReader` named `inputFile`.

```
inputFile.Close()
```

10. Write an assignment statement that assigns the string "Visual Basic" to the element in the third column and fourth row of a two-dimensional array of strings named `strExamAnswers`. You can assume that `strExamAnswers` has been declared and that it contains a third column and a fourth row.

```
strExamAnswers(3,  2) =  "Visual Basic"
```

11. Write double-nested `For` loops that compute the sum of all the elements in two-dimensional array named `mintScores` and stores that sum in variable named `intSum`. You can assume that mintScores is already declared with 4 columns and 3 rows and that it contains integer values. Use the loop variables `intRow` and `intCol`.

```
For intRow = 0 To 2
    For intCol =  0 To 3
       intSum = intSum + mintScores(intRow, intCol)
    Next
Next
```

12. Write a function named `dblComputePrice` that accepts two parameters, `dblBasePrice` and `dblTaxRate`. The method must calculate and return the total price of an item that has a base price of `dblBasePrice` and is taxed with a tax rate of `dblTaxRate`. For example, if the `dblBasePrice` is 10 and `dblTaxRate` is 0.06 then the value 10.6 is returned.

```
Private Function dblComputePrice(ByVal dblBasePrice As Double, ByVal dblTaxRate As Double) As Double
   Return dblBasePrice  + dblBasePrice  * dblTaxRate
End Function
```

13. Write a function named `stringLength` that accepts a `String` parameter named `strWord` and returns the length of that string.

```
Private Function stringLength(ByVal strWord As String) As Integer
   Return strWord.Length()
End Function
```