

TEST NAME: **Units 7.01 and 7.02 Quiz**
TEST ID: **2062946**
GRADE: **09 - Ninth Grade - 12 - Twelfth Grade**
SUBJECT: **Business**
TEST CATEGORY: **My Classroom**

12/08/17, Units 7.01 and 7.02 Quiz

Student: _____

Class: _____

Date: _____

1. In the code below, what is the value of **dblAnswer** *after* the code executes?

```
Private Sub btnAverage_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnAverage.Click

    Dim dblNum1, dblNum2, dblNum3, dblAnswer As Double

    dblNum1 = 10
    dblNum2 = 20
    dblNum3 = 30

    FindAverage(dblNum1, dblNum2, dblNum3, dblAnswer)

End Sub

Private Sub FindAverage(ByVal dblNumber1 As Double, ByVal dblNumber2 As Double, ByVal dblNumber3 As Double, ByRef dblAns As Double)
    dblAns = (dblNumber1 + dblNumber2 + dblNumber3) / 3
End Sub
```

- A. 0
- B. 10
- C. 20**
- D. 30

2. Using the code below, what is the value of `dblResult` after execution when 2.9 is entered into `txtNum` and 4 is entered into `txtNum2`?

```
Dim dblResult As Double = 0.0
Dim dblNum As Double = 0.0
Dim intNum As Integer=0

Try
    dblNum = Convert.ToDouble(txtNum.Text)
    intNum = Convert.ToInt32(txtNum2.Text)
Catch ex As Exception
    MessageBox.Show("Enter numeric values.")
    dblResult = getResult(dblNum, intNum)
End Try

Function getResult(ByVal dblNum As Double, ByVal intNum As Integer) As Double return dblNum + intNum End Function
```

- A. 7
- B. There is an error and the program will not execute.
- C. 0**
- D. 6.9

3. What can be said of the following function procedure?

```
Private Function is Positive(ByVal intArg As Integer) As Boolean
    If intArg <0 Then
        Return False
    Else
        Return True
    End If
End Function
```

- A. The function can be used by any module.
- B. The function returns a value having a data type of Boolean.**
- C. The function receives one argument having a data type of Boolean.
- D. The function returns a value having a data type of Integer.

4. In the code below, what is the value of `dblResult` after execution when 4 is entered into `txtNum` and 2.9 is entered into `txtNum2` ?

```
Private Sub btnAdd_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnAdd.Click

    Dim dblResult As Double = 0.0
    Dim dblNum As Double = 0.0
    Dim intNum As Integer = 0

    Try
        dblNum = Convert.ToDouble(txtNum.Text)
        intNum = Convert.ToInt32(txtNum2.Text)
        dblResult = getResult(dblNum, intNum)

    Catch ex As Exception

        MessageBox.Show("Enter numeric values.")

    End Try
End Sub

Function getResult(ByVal dblNum As Double, ByVal intNum As Integer) As Double
    Return dblNum + intNum
End Function
```

- A. 7
- B. There is an error and the program will not execute.
- C. 0
- D. 6.9
5. Which is the correct syntax to declare the heading of function `CalcNum` ?
- A. `Sub CalcNum (ByVal intNum1 As Integer, ByVal intNum2) As Integer`
- B. `Function CalcNum (ByVal intNum1 As Integer, ByVal intNum2 As Integer)`
- C. `Function CalcNum (ByRef intNum1 As Integer, ByVal intNum2 As Integer) As Integer`
- D. `Function CalcNum (ByVal intNum1 As Integer, ByVal intNum2 As Integer) As Integer`

6. Which would correctly call the partial sub procedure defined below?

```
private Sub CalcTotalPrice (ByVal dblPrice As Double, ByVal intTaxRate As Integer, ByRef dblTotalPrice As Double)  
    Button Click Local Variables  
    Dim dblPrice, dblTotalPrice As Double  
    Dim intTaxRate as Integer
```

- A. `CalcTotalPrice(dblPrice, intTaxRate, dblTotalPrice)`
- B. `CalcTotalPrice(dblTotalPrice, intTaxRate, dblPrice)`
- C. `CalcTotalPrice(dblPrice, dblTotalPrice, intTaxRate)`
- D. `dblTotalPrice= CalcTotalPrice(dblPrice, intTaxRate)`

7. Given the function header, which statement below is written to correctly call the function?

```
Function calcTotalPrice (ByVal dblPrice As Double, ByVal intQuantity As Integer) As Double
```

- A. `dblAnswer= calcTotalPrice(dblPrice, dblTaxRate, intQuantity)`
- B. `dblAnswer (calcTotalPrice(intQuantity, dblPrice))`
- C. `calcTotalPrice(intQuantity, dblPrice)`
- D. `dblAnswer= calcTotalPrice(dblPrice, intQuantity)`

8. In the code below, what is the value of `dblAnswer` in `btnAverage` **after** the code executes?

```
Private Sub btnAverage_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnAverage.Click

    Dim dblNum1, dblNum2, dblNum3, dblAnswer As Double

    dblNum1 = 10
    dblNum2 = 20
    dblNum3 = 30

    FindAverage(dblNum1, dblNum2, dblNum3, dblAnswer)
End Sub

Private Sub FindAverage(ByVal dblNum1 As Double, ByVal dblNum2 As Double, ByVal dblNum3 As Double, ByVal dblAnswer As Double)
    dblAnswer = (dblNum1 + dblNum2 + dblNum3) / 3
End Sub
```

- A. 0
- B. 10
- C. 20
- D. 30

9. In the code below, what is the value of `dblAnswer` in `btnAverage` **after** the code executes?

```
Private Sub btnAverage_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnAverage.Click

    Dim dblNum1, dblNum2, dblNum3, dblAnswer As Double

    dblNum1 = 10
    dblNum2 = 20
    dblNum3 = 30

    FindAverage(dblNum1, dblNum2, dblNum3, dblAnswer)

End Sub

Private Sub FindAverage(ByVal dblNum1 As Double, ByVal dblNum2 As Double, ByVal dblNum3 As Double, ByRef dblAnswer As Double)
    dblAnswer = (dblNum1 + dblNum2 + dblNum3) / 3
End Sub
```

- A. 0
- B. 10
- C. 20**
- D. 30
10. Which **best** describes the purpose of function procedures?
- A. Called from another procedure using the CALL statement
- B. To alter arguments after they have been passed
- C. To perform a specific task and then return one value**
- D. To perform several related tasks
11. What are the variables called that are shown in the procedure header for a sub procedure?
- A. Arguments
- B. Constants
- C. Parameters**
- D. Values

12. Using the code below, what is the value of `dblResult` after execution when 2.9 is entered into `txtNum` and 4 is entered into `txtNum2`?

```
Dim dblResult As Double = 0.0 Dim dblNum As Double = 0.0 Dim intNum As Integer=0
Try
    dblNum = Convert.ToDouble(txtNum.Text)
    intNum = Convert.ToInt(txtNum2.Text)
    dblResult = getResult(dblNum, intNum)
Catch ex As Exception
    MessageBox.Show("Enter numeric values.")
End Try
Function
    getResult(ByVal dblNum As Double, ByVal intNum As Integer) As Double
    return dblNum + intNum
End Function
```

- A. 7
- B. There is an error and the program will not execute.**
- C. 0
- D. 6.9

13. In the code below, what is the value of `dblAnswer` in `btnAverage` **after** the code executes?

```
Private Sub btnAverage_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnAverage.Click

    Dim dblNum1, dblNum2, dblAnswer As Double
    Dim intNum3 As Integer

    dblNum1 = 100
    dblNum2 = 90
    intNum3 = 80

    dblAnswer = FindAverage(dblNum1, dblNum2, intNum3)

End Sub

Private Function FindAverage(ByVal Num1 As Double, ByVal Num2 As Double, ByVal Num3 As Integer) As Double
    Dim dblAnswer As Double
    dblAnswer = (Num1 + Num2 + Num3) / 3
    If dblAnswer > 100 Then
        Return 100.0
    Else
        Return dblAnswer
    End If
End Function
```

- A. 80
- B. 90**
- C. 100
- D. A syntax error will occur.

14. In the code below, what is the value of `dblAnswer` in `btnAverage` after the code executes?

```
Private Sub btnAverage_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btnAverage.Click

    Dim dblNum1, dblNum2, dblAnswer As Double
    Dim intNum3 As Integer

    dblNum1 = 100
    dblNum2 = 102
    intNum3 = 104

    dblAnswer = FindAverage(dblNum1, dblNum2, intNum3)

End Sub

Private Function FindAverage(ByVal Num1 As Double, ByVal Num2 As Double, ByVal Num3 As Integer) As Double
    Dim dblAnswer As Double
    dblAnswer = (Num1 + Num2 + Num3) / 3
    If dblAnswer > 100 Then
        Return True
    Else
        Return dblAnswer
    End Function
```

- A. 102
- B. 104
- C. 100
- D. An error will occur.
15. Which function is used to convert a string entry in a textbox to a double number?
- A. `Convert.ToDouble(txtAge.Text)`
- B. `Convert(txtAge.Text)`
- C. `Convert.ToInt16(txtAge.Text)`
- D. `Convert.ToInt32(txtAge.Text)`

16. Given an array called `intScores`, which statement would pass the **first** element to the sub procedure below?

```
Private Sub GiveAdvice(ByVal intNum As Integer)
```

- A. `GiveAdvice(intScores())`
- B. `GiveAdvice(intScores(0))`
- C. `GiveAdvice(intScores(1))`
- D. `GiveAdvice(intScores)`

17. Which assigns the value of 4 to the third element in an array named `myPayArray`?

- A. `myPayArray(2)= 4`
- B. `myPayArray(3)= 4`
- C. `myPayArray(4)= 4`
- D. `myPayArray(3)= 3`

18. Which For Each loop would correctly create a running total of the elements in an array called `Scores`?

- A.

```
For Each dblScore As Double in Scores
    Total= Total + Scores(ii)
Next dblScore
```
- B.

```
For Each dblScore As Double in Scores
    Total= Total + Scores(i)
Next dblScore
```
- C.

```
For Each dblScore As Double
    Total= Total + Scores
Next dblScore
```
- D.

```
For Each dblScore As Double in Scores
    Total= Total + dblScore
Next dblScore
```

19. Which references the second element in the array named `myArr`?

- A. `myArr(0)`
- B. `myArr(1)`
- C. `myArr(2)`
- D. `myArr(3)`

20. Given an array called `intNumbers`, which statement will get the number of elements in the array?

- A. `intLength= intNumbers.Size`
- B. `intLength= intNumbers.Length`
- C. `intLength= Length(intNumbers)`
- D. `intLength= Array.SizeOf(intNumbers)`

21. Given a Dim statement of `Dim strName(3) As Integer`, which of the following elements are valid?

- A. `strName(-2)`
- B. `strName(3)`
- C. `strName(-3)`
- D. `strName(4)`