**Tutorial # 2**

**Question#1:** What is the output of the following programs?

1 Dim number As Integer

2

3 number = 1234

4

5 ' extract digits

6 digit1Label.Text = number \ 1000

7 digit2Label.Text = (number Mod 1000) \ 100

8 digit3Label.Text = (number Mod 100) \ 10

9 digit4Label.Text = number Mod 10

digit1Label.Text =…., digit2Label.Text =.…, digit3Label.Text =…., digit4Label.Text=…..

1 Dim age As Integer

2

3 age = ageTextBox.Text

4

5 If age < 0 Then

6 ageLabel.Text = "Enter a value greater than or equal to zero."

7 ElseIf age < 13 Then

8 ageLabel.Text = "Child"

9 ElseIf age < 20 Then

10 ageLabel.Text = "Teenager"

11 ElseIf age < 30 Then

12 ageLabel.Text = "Young Adult"

13 ElseIf age < 65 Then

14 ageLabel.Text = "Adult"

15 Else

16 ageLabel.Text = "Senior Citizen"

17 End If

|  |  |
| --- | --- |
| **Input (**ageTextBox.Text**)** | **Output (**ageLabel.Text**)** |
| 75 |  |
| 13 |  |
| 25 |  |
| -100 |  |

**C)**

1 Dim number1 As Integer

2 Dim number2 As Integer

3 Dim result As Integer

4

5 number2 = 8\2\*2-2

6 number1 = 5 \* (4 + 6)

7

8 If number2 <> 0 Then

9 number1 \*= 3

10 End If

11 result = number1 - number2 \*4

number1 =…………….., number2 =…………….., result=……………………..

**Question#2: Extract errors from the following codes & then obtain weather they are Syntax Error or Run time Error?**

1 Dim number1 As Integer

2 Dim number2 As Integer

3 Dim result As Integer

4

5 number2 = 8\2\*2-2

6 number1 = 5 \* (4 + 6)

7

8 If number2 > 0 Then

9 number1 \*= number2

10 ElseIf number2 = 0 Then

11 result = number1

12 End If

13 End If

|  |  |  |  |
| --- | --- | --- | --- |
| **Line#** | **Error Description** | **Error Type (Syntax or Runtime)** | **Correction** |
|  |  |  |  |