**Tutorial # 1**

**Name: ID:**

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

1 Dim number1 As Integer

2 Dim number2 As Integer

3 Dim result As Integer

4

5 number1 = 5 \* (4 + 6)

6 number2 = 2 ^ 2

7 result = number1 \ number2

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

 Dim firstName As String = "Muhammad"
 Dim lastName As String = "Abdulllah"
 Dim fullName As String

 Dim age As Integer

 Dim city, POBox , phoneNum , myInformation As String

 age = 23

 city = "Riyadh"

 POBox = "1234"

 phoneNum = "+966555555555"

 fullName = firstName & vbTab & lastName

 myInformation = "Name: " & fullName & vbCrLf &

 "Age: " & age & vbCrLf &

 "City: " & city & vbCrLf &

 "P.O.Box: " & POBox & vbCrLf &

 "Phone: " & phoneNum

fullName =

myInformation =

***Note:***

* *vbCrLf is a keyword in Visual Basic & it means new line as the '\n' in C language as if you press Enter button in the Keyboard.*
* *vbTab is a keyword in Visual Basic & it means tab space as the '\t' in C language as if you press the Tab button in the Keyboard*

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=……………………..

 Dim firstName As String = "Muhammad"
 Dim lastName As String = "Abdullah"
 Dim fullName As String

 Dim age As Integer

 Dim city, POBox , phoneNum , myInformation As String

 age = 23

 city = "Riyadh"

 POBox = "1234"

 phoneNum = "+966555555555"

 fullName = firstName & vbTab & lastName

myInformation = "Name: " & vbCrLf & fullName & vbCrLf & "Age: " & vbCrLf & age & vbCrLf & "City: " & vbCrLf & city & vbCrLf & "P.O.Box: " & vbCrLf & POBox & vbCrLf & "Phone: " & vbCrLf & phoneNum

fullName =

myInformation =

**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 number1 = (4 \* 6 ^ 4) / (10 Mod 4 – 2)

6 number2 = (16 \ 3) ^ 2 \* 6 + 1

7 result = number1 - number2

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

1 Dim number1 As Double

2 Dim number2 Double

3 Dim result As Char

4

5 number1 = (4 ^ 2)

6 number2 = (16 \ 2)

7 result = number1 \ number2

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

1 Private Sub myFunction ()

2 Dim Integer As Integer

3 Dim Integer2 As Integer

4 Dim Result As Integer

5

6 Integer= 99 mod 11

7 Result = Integer ^ Integer2

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

**Question#3**

**Write a *pseudo code* to Read the height, length, and width of a rectangular box,**

**calculates and displays the volume. Note: volume = l\*w\*h ?**

**Question#4**

**Which of the following variable names are valid , and which are invalid?**

1. Age
2. 1welcom
3. Total#
4. Integer
5. Number 2