**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 =……26……….., number2 =…4………….., result=……6………………..

**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) 5184/0

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

7 result = number1 - number2

|  |  |  |  |
| --- | --- | --- | --- |
| **Line#** | **Error Description** | **Error Type (Syntax or Runtime)** | **Correction** |
| 5 | Division by zero | Runtime | number1 = (4 \* 6 ^ 4) / (10 Mod 4) – 2 |

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** |
| 2 | Missing As before data type | syntax | Dim number2 As Double |
| 3 | Error in data type | syntax | Dim result As Integer |

**c)**

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** |
| 2 | Keyword not valid as an identifier | syntax | Dim Integer1 As Integer |
| 6 | Keyword as a type not valid as an expression | syntax | Integer1=99 mod 11 |
| 1 | Missing End Sub | syntax | Add End Sub after line7 |