

Lesson 5 - VB (Programming Examples)

Students are requested to copy and try the codes below on computer.

Example 1:



Write a program that displays the word 'Hello' on the screen 4 times on the same line using the for loop.

```
Sub RunSnippet()  
    Dim count As Integer  
    For count =1 to 4  
        Console.WriteLine("Hello")  
    Next  
    Console.ReadLine()  
End Sub
```

Example 2:



Write a program that prompts the user to enter a short message and the number of times it is to be displayed and then displays the message the required number of times.

```
Sub RunSnippet()  
    Dim count As Integer  
    Dim x As integer  
    Dim msg As String  
  
    Console.WriteLine("Enter Message: ")  
    msg = Console.ReadLine()  
  
    Console.WriteLine("Enter Number of times to display message : ")  
    count = Console.ReadLine()  
  
    For x =1 to count  
        Console.WriteLine(x & " " & msg)  
    Next  
  
    Console.ReadLine()  
End Sub
```

Example 3:



Write a console application to calculate the 8 times table

```
Sub RunSnippet()  
  
    Dim x As Integer  
  
    For x =1 to 12  
        Console.WriteLine(x & " x 8 = " & x*8)  
    Next  
  
    Console.ReadLine()  
  
End Sub
```

Example 4:



Write a console application that will ask for 10 numbers. The program will then display the sum of these numbers and the average.

```
Sub RunSnippet()  
  
    Dim x As Integer  
    Dim num as Integer  
    Dim sum As Integer  
    Dim avg As Double  
    sum =0  
  
    For x =1 to 10  
        Console.WriteLine("Enter Number : ")  
        num = Console.ReadLine()  
        sum = sum + num  
    Next  
  
    avg = sum / 10  
    Console.WriteLine("Sum is : "& sum)  
    Console.WriteLine("Average is : "& avg)  
    Console.ReadLine()  
  
End Sub
```

Example 5:



Write a program that asks for a number, and displays the squares of all the integers between 1 and this number inclusive.

```
Sub RunSnippet()  
  
    Dim num As Integer  
    Dim x As Integer  
  
    Console.WriteLine("Enter Number : ")  
    num = Console.ReadLine()  
  
    For x =1 to num  
        Console.WriteLine(x & " x " & x & " = " & x*x)  
    Next  
  
    Console.ReadLine()  
  
End Sub
```

Example 6:



Write a program to display the squares of all the integers from 1 to 12 in two columns headed 'Number' and 'Square of Number'.

```
Sub RunSnippet()  
  
    Dim x As Integer  
  
    Console.WriteLine("Number | Square: ")  
  
    For x =1 to 12  
        Console.WriteLine(x & " x " & x & " = " & x*x)  
    Next  
  
    Console.ReadLine()  
  
End Sub
```