

Lab 01

Expressions and Conditionals-1

1- Write a program that swaps the values of two numbers

```
Module Module1

    Sub Main()
        Dim a, b, temp As Integer
        Console.WriteLine("Enter the first Number")
        a = Integer.Parse(Console.ReadLine())
        Console.WriteLine("Enter the second Number")
        b = Integer.Parse(Console.ReadLine())

        temp = a
        a = b
        b = temp

        Console.WriteLine("First Number : {0}", a)
        Console.WriteLine("Second Number: {0} ", b)

    End Sub

End Module
```

2- Write a program that calculates the area and perimeter of a rectangle

```
Module Module1

    Sub Main()
        Console.WriteLine("Enter the height of the rectangle")
        Dim x As Double = Double.Parse(Console.ReadLine())

        Console.WriteLine("Enter the width of the rectangle")
        Dim y As Double = Double.Parse(Console.ReadLine())

        Dim area As Double = x * y
        Dim perimeter As Double = 2 * (x + y)

        Console.WriteLine("Area is: {0} And Perimeter is: {1}",
area, perimeter)

    End Sub

End Module
```

3- Write a program that checks whether a number is even or odd

```
Module Module1

    Sub Main()
        Dim x As Integer
        Console.WriteLine("Enter the number:")
        x = Integer.Parse(Console.ReadLine())

        If (x Mod 2) = 0 Then
            Console.WriteLine("Even Number")
        Else
            Console.WriteLine("Odd Number")
        End If
    End Sub

End Module
```

4- Write a program that takes a digit (0-9) and prints its English equivalent (Zero-Nine)

```
Module Module1

    Sub Main()
        Console.WriteLine("Enter a digit from 0-9")
        Dim number As Integer = Integer.Parse(Console.ReadLine())

        Select Case number
            Case 0
                Console.WriteLine("Zero")
            Case 1
                Console.WriteLine("One")
            Case 2
                Console.WriteLine("Two")
            Case 3
                Console.WriteLine("Three")
            Case 4
                Console.WriteLine("Four")
            Case 5
                Console.WriteLine("Five")
            Case 6
                Console.WriteLine("Six")
            Case 7
                Console.WriteLine("Seven")
            Case 8
                Console.WriteLine("Eight")
            Case 9
                Console.WriteLine("Nine")
            Case Else
                Console.WriteLine("You didn't enter a valid
number")
        End Select

    End Sub

End Module
```

Assignment:

Write a program that finds the maximum of three numbers

Assignment should be sent to: khaled.3ttia@gmail.com