

**Practical No: 04**

**VIII. Resources required (Additional)**

- If any web reference is required.

**X. Resources required (Actual)**

- (1) <https://docs.microsoft.com/en-us/dotnet/visual-basic/language-reference/statements/if-then-else-statement>
- (2) [https://www.tutorialspoint.com/vb.net/vb.net\\_if\\_else\\_statements.htm](https://www.tutorialspoint.com/vb.net/vb.net_if_else_statements.htm)

**XI. Program Code:**

**Write a program using if-else statement –**

```
➤ Module Module1
    Sub Main()
        Dim n As Integer
        Console.WriteLine("Enter a Number")
        n = Console.ReadLine()
        If (n > 0) Then
            Console.WriteLine("Number is Positive")
        Else
            Console.WriteLine("Number is Negative")
        End If
        Console.ReadLine()
    End Sub
End Module
```

**Results (Output of the Program)**

```
Enter a number:
9
Number is Positive
```

**XIII. Practical Related Questions**

- 1. Write program for finding greatest among three numbers –**

```
➤ Module Module1
    Sub Main()
        Dim a, b, c As Integer
        Console.Write("Enter the values of a, b and c:")
        a = Val(Console.ReadLine())
        b = Val(Console.ReadLine())
        c = Val(Console.ReadLine())
        If (a > b) Then
            If (a > c) Then
                Console.WriteLine("Greatest Number is:" & a)
            Else
                Console.WriteLine("Greatest Number is:" & c)
            End If
        Else
            If (b > c) Then
```

```
        Console.WriteLine("Greatest Number is:" & b)
    Else
        Console.WriteLine("Greatest Number is:" & c)
    End If
End If
Console.ReadLine()
End Sub
End Module
```

**Results (Output of the Program)**

Enter the values of a, b and c:23  
65  
12  
Greatest Number is:65

**2. Implement the program using if-else statement to find the number is even or odd –**

➤ **Module Module1**  
**Dim i As Integer**

```
Sub Main()
    Console.WriteLine("Enter Number")
    i = Console.ReadLine()
    If ((i Mod 2) = 0) Then
        Console.WriteLine("Number is Even")
    Else
        Console.WriteLine("Number is Odd")
    End If
    Console.ReadLine()
End Sub
End Module
```

**Results (Output of the Program)**

Enter a number:  
9  
Number is Odd

**XIV. Exercise**

**1. Write the program using if-else statement for following output.**

Result	Percentage Criteria
Fail	perc < 40
Second Class	perc > 40 AND perc < 60
First Class	perc > 60 AND perc < 75
Distinction	perc > 75

➤ **Module Module1**

```
Sub Main()
    Dim perc As Integer
    Console.Write("Enter Percentage:")
    perc = Val(Console.ReadLine())
```

```
If (perc < 40) Then
    Console.WriteLine("Fail")
ElseIf ((perc > 40) And (perc < 60)) Then
    Console.WriteLine("Pass Class")
ElseIf ((perc >= 60) And (perc < 75)) Then
    Console.WriteLine("First Class")
ElseIf (perc >= 75) Then
    Console.WriteLine("Distinction")
End If
Console.ReadLine()
End Sub

End Module
```

**Results (Output of the Program)**

Enter Percentage:85  
Distinction

**2. Write output of following code.**

➤ Module Module1

```
Sub Main()
    Dim i As Integer
    i = 4
    Dim a As Double
    a = -1.0

    If (i > 0) Then
        If (a > 0) Then
            Console.WriteLine("Here I am !!!!")
        Else
            Console.WriteLine("No here I am ??")
            Console.WriteLine("Actually here I am ??")
        End If
    End If

    Console.ReadKey()
End Sub

End Module
```

**Results (Output of the Program)**

No here I am ??  
Actually here I am ??