

**PENANG SANGAM HIGH SCHOOL  
P.O.BOX 44, RAKIRAKI**

**LESSON NOTES 22**

**Year/Level: 12**

**Subjects: Computer Studies**

<b><u>Strand:</u></b>	CE <b><u>Strand:</u></b> CE 2 Application Packages
<b><u>Sub-strand:</u></b>	CE 12.2.1 Visual Basic.NET Programming (VB NET)
<b><u>Content Learning Outcome:</u></b>	For next

**Lesson Notes**

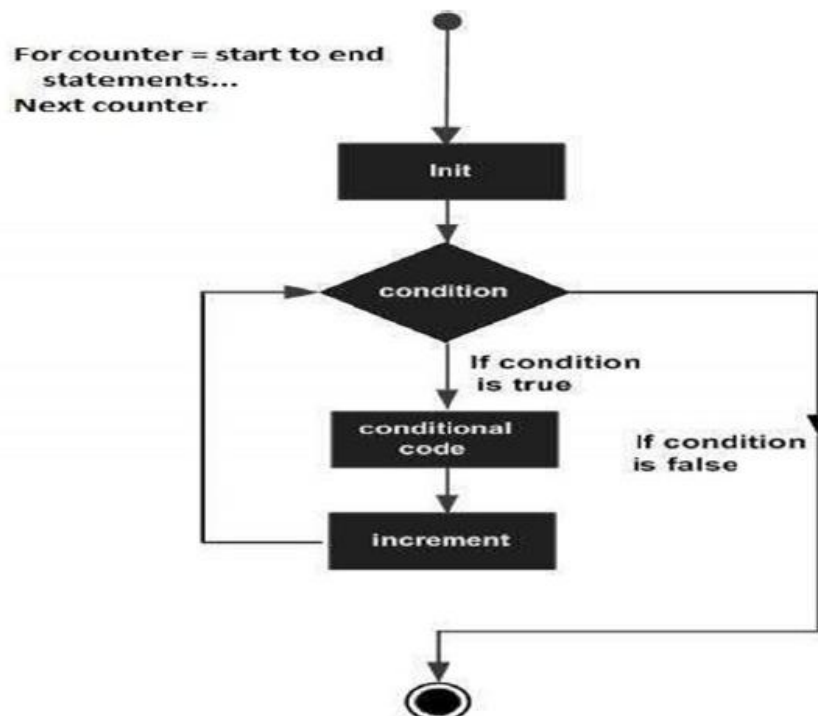
**For.....Next**

It repeats a group of statements a specified number of times and a loop index counts the number of loop iterations as the loop executes.

The syntax for this loop construct is:

```
For counter [ As datatype ] = start To end [ Step step ]  
    [ statements ]  
    [ Continue For ]  
    [ statements ]  
    [ Exit For ]  
    [ statements ]  
Next [ counter ]
```

**Flow Diagram:**



**Code Example:** Sum of the first 10 natural numbers

```
Public Class Form1

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles Button1.Click

    Dim counter As Integer
    Dim X As Integer = 0, Sum As Integer = 0
    For counter = 1 To 10
        X = X + 1
        Sum = Sum + X
    Next
    TextBox1.Text = Sum
End Sub
End Class
```