

VB.NET - FOR...NEXT LOOP

http://www.tutorialspoint.com/vb.net/vb.net_fornext_loops.htm

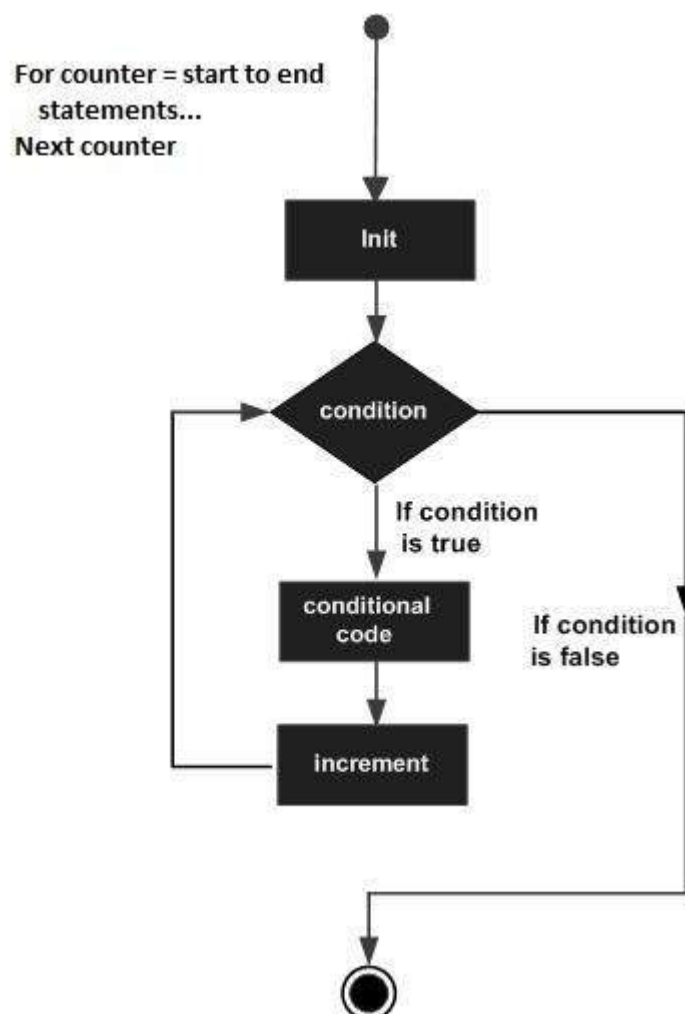
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It repeats a group of statements a specified number of times and a loop index counts the number of loop iterations as the loop executes.

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:



Example

```
Module loops  
    Sub Main()  
        Dim a As Byte  
        ' for loop execution  
        For a = 10 To 20  
            Console.WriteLine("value of a: {0}", a)  
        Next  
        Console.ReadLine()  
    End Sub  
End Module
```

When the above code is compiled and executed, it produces the following result:

```
value of a: 10
value of a: 11
value of a: 12
value of a: 13
value of a: 14
value of a: 15
value of a: 16
value of a: 17
value of a: 18
value of a: 19
value of a: 20
```

If you want to use a step size of 2, for example, you need to display only even numbers, between 10 and 20:

```
Module loops
    Sub Main()
        Dim a As Byte
        ' for loop execution
        For a = 10 To 20 Step 2
            Console.WriteLine("value of a: {0}", a)
        Next
        Console.ReadLine()
    End Sub
End Module
```

When the above code is compiled and executed, it produces the following result:

```
value of a: 10
value of a: 12
value of a: 14
value of a: 16
value of a: 18
value of a: 20
```