

VB.NET - DO LOOP

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

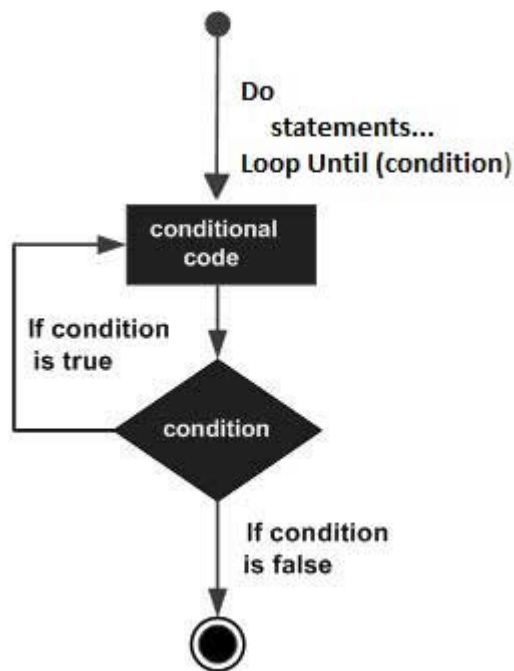
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It repeats the enclosed block of statements while a Boolean condition is True or until the condition becomes True. It could be terminated at any time with the Exit Do statement.

The syntax for this loop construct is:

```
Do { While | Until } condition
    [ statements ]
    [ Continue Do ]
    [ statements ]
    [ Exit Do ]
    [ statements ]
Loop
-or-
Do
    [ statements ]
    [ Continue Do ]
    [ statements ]
    [ Exit Do ]
    [ statements ]
Loop { While | Until } condition
```

Flow Diagram:



Example:

```
Module loops
    Sub Main()
        ' local variable definition
        Dim a As Integer = 10
        'do loop execution
        Do
            Console.WriteLine("value of a: {0}", a)
            a = a + 1
            Loop While (a < 20)
            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
```

The program would behave in same way, if you use an Until statement, instead of While:

```
Module loops
Sub Main()
    ' local variable definition
    Dim a As Integer = 10
    'do loop execution
    Do
        Console.WriteLine("value of a: {0}", a)
        a = a + 1
    Loop Until (a = 20)
    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
```