

14- Loops

Do Loop Code:

```
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
```

Output

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
```

While Loop Code:

```
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
```

Output

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
```