

SWIFT - DO...WHILE LOOP

http://www.tutorialspoint.com/swift/swift_do_while_loop.htm

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Unlike **for** and **while** loops, which test the loop condition at the top of the loop, the **do...while** loop checks its condition at the bottom of the loop.

A **do...while** loop is similar to a while loop, except that a do...while loop is guaranteed to execute at least one time.

Syntax

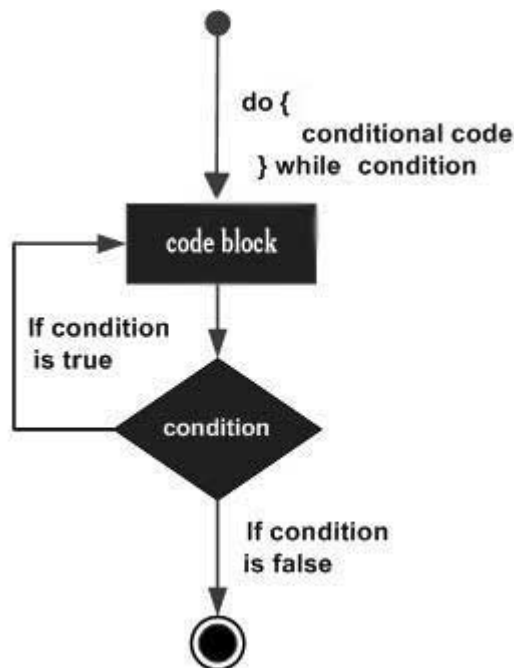
The syntax of a **do...while** loop in Swift is:

```
do
{
    statement(s);
}while( condition );
```

It should be noted that the conditional expression appears at the end of the loop, so the statements in the loop execute once before the condition is tested. If the condition is true, the flow of control jumps back up to do, and the statements in the loop execute again. This process repeats until the given condition becomes false.

The number 0, the strings '0' and "", the empty list, and undef are all **false** in a boolean context and all other values are **true**. Negation of a true value by **!** or **not** returns a special false value.

Flow Diagram



Example

```
import Cocoa

var index = 10

do{
    println( "Value of index is \(index)" )
    index = index + 1
}while index < 20
```

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

Value of index is 10
Value of index is 11
Value of index is 12
Value of index is 13
Value of index is 14
Value of index is 15
Value of index is 16
Value of index is 17
Value of index is 18
Value of index is 19

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