

WHILE LOOP IN OBJECTIVE-C

http://www.tutorialspoint.com/objective_c/objective_c_while_loop.htm

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A **while** loop statement in Objective-C programming language repeatedly executes a target statement as long as a given condition is true.

Syntax:

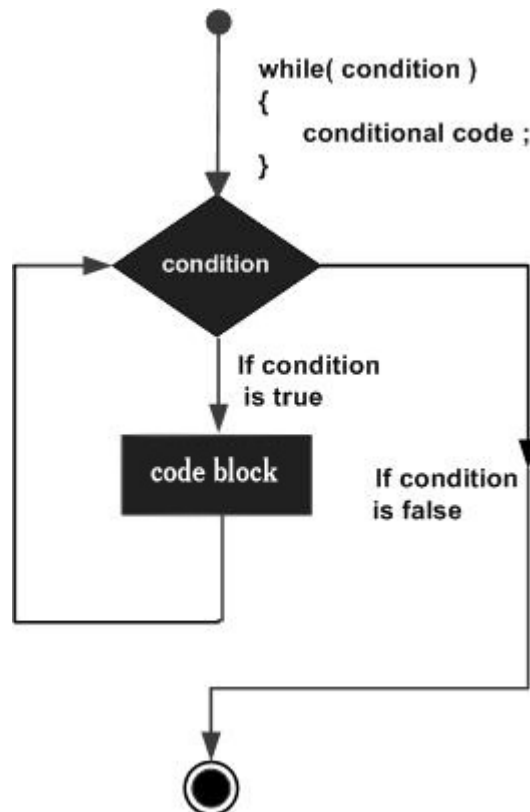
The syntax of a **while** loop in Objective-C programming language is:

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

Here, **statements** may be a single statement or a block of statements. The **condition** may be any expression, and true is any nonzero value. The loop iterates while the condition is true.

When the condition becomes false, program control passes to the line immediately following the loop.

Flow Diagram:



Here, key point of the *while* loop is that the loop might not ever run. When the condition is tested and the result is false, the loop body will be skipped and the first statement after the while loop will be executed.

Example:

```
#import <Foundation/Foundation.h>

int main ()
{
    /* local variable definition */
    int a = 10;

    /* while loop execution */
```

```
while( a < 20 )
{
    NSLog(@"value of a: %d\n", a);
    a++;
}

return 0;
}
```

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

```
2013-09-07 22:45:26.827 demo[21195] value of a: 10
2013-09-07 22:45:26.827 demo[21195] value of a: 11
2013-09-07 22:45:26.827 demo[21195] value of a: 12
2013-09-07 22:45:26.827 demo[21195] value of a: 13
2013-09-07 22:45:26.827 demo[21195] value of a: 14
2013-09-07 22:45:26.827 demo[21195] value of a: 15
2013-09-07 22:45:26.828 demo[21195] value of a: 16
2013-09-07 22:45:26.828 demo[21195] value of a: 17
2013-09-07 22:45:26.828 demo[21195] value of a: 18
2013-09-07 22:45:26.828 demo[21195] value of a: 19
```

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