

# ARITHMETIC OPERATORS IN OBJECTIVE-C

[http://www.tutorialspoint.com/objective\\_c/objective\\_c\\_arithmetic\\_operators.htm](http://www.tutorialspoint.com/objective_c/objective_c_arithmetic_operators.htm)

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Following table shows all the arithmetic operators supported by Objective-C language. Assume variable **A** holds 10 and variable **B** holds 20, then:

Operator	Description	Example
+	Adds two operands	A + B will give 30
-	Subtracts second operand from the first	A - B will give -10
*	Multiplies both operands	A * B will give 200
/	Divides numerator by denominator	B / A will give 2
%	Modulus Operator and remainder of after an integer division	B % A will give 0
++	Increments operator increases integer value by one	A++ will give 11
--	Decrements operator decreases integer value by one	A-- will give 9

## Example

Try the following example to understand all the arithmetic operators available in Objective-C programming language:

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

main()
{
    int a = 21;
    int b = 10;
    int c ;

    c = a + b;
    NSLog(@"Line 1 - Value of c is %d\n", c );
    c = a - b;
    NSLog(@"Line 2 - Value of c is %d\n", c );
    c = a * b;
    NSLog(@"Line 3 - Value of c is %d\n", c );
    c = a / b;
    NSLog(@"Line 4 - Value of c is %d\n", c );
    c = a % b;
    NSLog(@"Line 5 - Value of c is %d\n", c );
    c = a++;
    NSLog(@"Line 6 - Value of c is %d\n", c );
    c = a--;
    NSLog(@"Line 7 - Value of c is %d\n", c );
}
```

When you compile and execute the above program, it produces the following result:

```
2013-09-07 22:10:27.005 demo[25774] Line 1 - Value of c is 31
2013-09-07 22:10:27.005 demo[25774] Line 2 - Value of c is 11
2013-09-07 22:10:27.005 demo[25774] Line 3 - Value of c is 210
2013-09-07 22:10:27.005 demo[25774] Line 4 - Value of c is 2
2013-09-07 22:10:27.005 demo[25774] Line 5 - Value of c is 1
2013-09-07 22:10:27.005 demo[25774] Line 6 - Value of c is 21
```

2013-09-07 22:10:27.005 demo[25774] Line 7 - Value of c is 22