**If statement in C**

**Categories**[**C programming**](https://codeforwin.org/category/c-programming)**3 mins readSeptember 12, 2017**

So far in our journey of learning C programming, we learned to write [simple C programs](https://codeforwin.org/2015/05/basic-programming-practice-problems.html), that executes in the sequence we write. A program that always executes in same sequence is worthless. The ability to control program flow and statements execution is worth.

if statement allows us to select an action based on some condition. It gives programmer to take control over a piece of code. Programmer can control the execution of code based on some condition or user input. For example – if user inputs valid account number and pin, then allow money withdrawal.

If statement works like *“If condition is met, then execute the task”*. It is used to compare things and take some action based on the comparison. [Relational](https://codeforwin.org/2017/08/relational-operators-c.html) and [logical operators](https://codeforwin.org/2017/08/logical-operators-c.html) supports this comparison.

If statement perform action based on boolean expression true or false.

Trending

[**Classification of programming languages**](https://codeforwin.org/fundamentals/programming-languages-classification)

**What is a Boolean expression?**

A [C expression](https://codeforwin.org/2017/08/variables-in-c-programming.html#expressions) that evaluates either true or false is known as *Boolean expression*. However, in C programming there is no concept of true or false value.

In C we represent true with a non-zero integer and false with zero. Hence, in C if an expression evaluates to integer is considered as Boolean expression.

**Syntax of**if**statement**

if(boolean\_expression)

{

// body of if

}

Copy

In above syntax if boolean expression evaluates true, then statements inside if body executes otherwise skipped.

**Flowchart of**if**statement**

