

C++ IF STATEMENT

An **if** statement consists of a boolean expression followed by one or more statements.

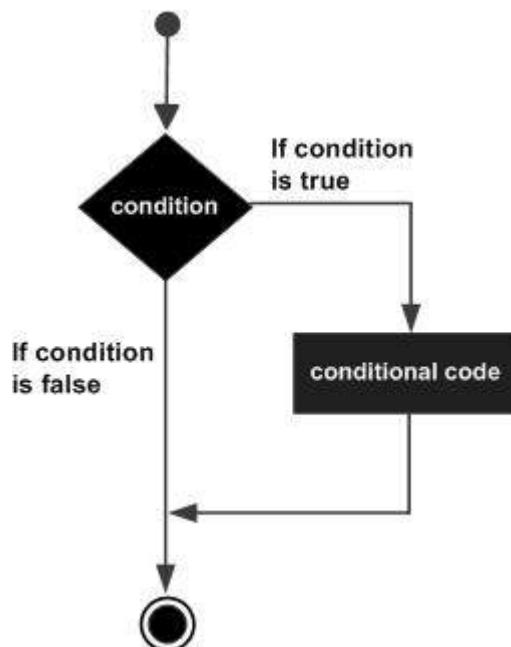
Syntax:

The syntax of an if statement in C++ is:

```
if(boolean_expression)
{
    // statement(s) will execute if the boolean expression is true
}
```

If the boolean expression evaluates to **true**, then the block of code inside the if statement will be executed. If boolean expression evaluates to **false**, then the first set of code after the end of the if statement *after the closing curly brace* will be executed.

Flow Diagram:



Example:

```
#include <iostream>
using namespace std;

int main ()
{
    // local variable declaration:
    int a = 10;

    // check the boolean condition
    if( a < 20 )
    {
        // if condition is true then print the following
        cout << "a is less than 20;" << endl;
    }
    cout << "value of a is : " << a << endl;
    return 0;
}
```

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

```
a is less than 20;  
value of a is : 10
```

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