**nested-if in C++**

A nested if in C is an if statement that is the target of another if statement. Nested if statements means an if statement inside another if statement. Yes, both C and C++ allows us to nested if statements within if statements, i.e, we can place an if statement inside another if statement.

**Syntax:**

if (condition1)

{

// Executes when condition1 is true

if (condition2)

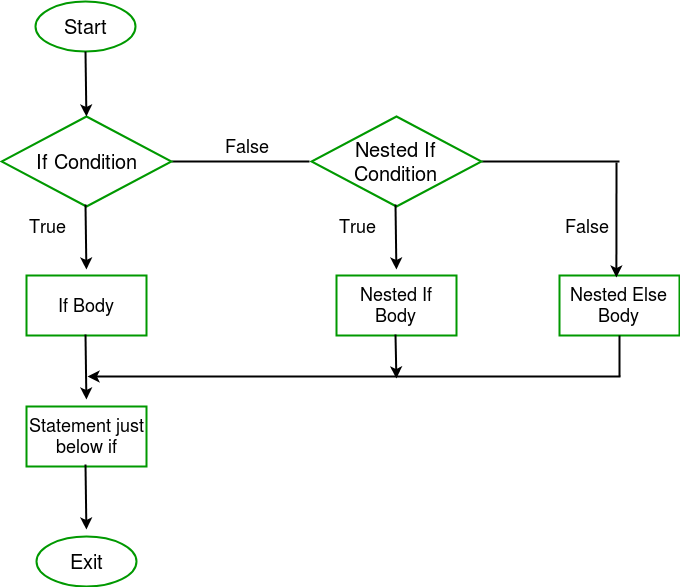
{

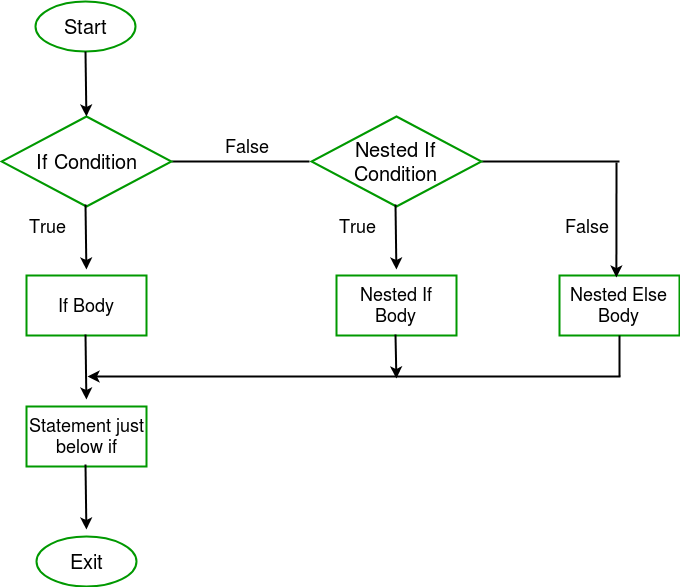
// Executes when condition2 is true

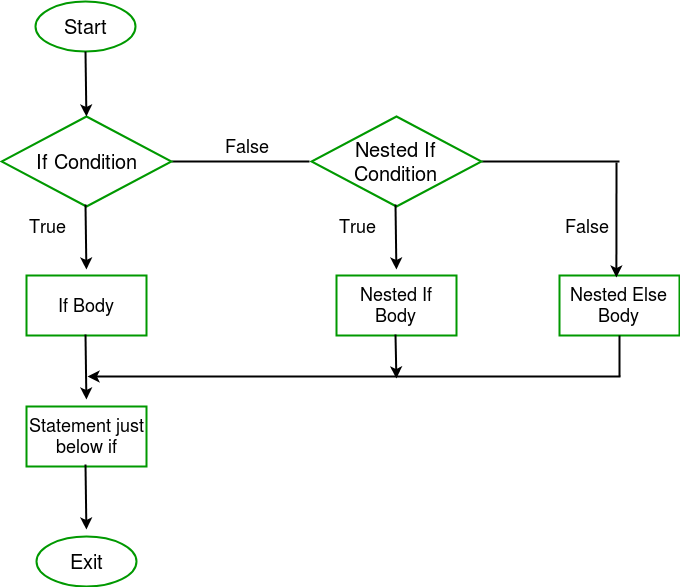
}

}

**Flowchart**





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Example

[Live Demo](http://tpcg.io/Koj8kw)

#include <iostream>

using namespace std;

int main () {

// local variable declaration:

int a = 100;

int b = 200;

// check the boolean condition

if( a == 100 ) {

// if condition is true then check the following

if( b == 200 ) {

// if condition is true then print the following

cout << "Value of a is 100 and b is 200" << endl;

}

}

cout << "Exact value of a is : " << a << endl;

cout << "Exact value of b is : " << b << endl;

return 0;

}

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

Value of a is 100 and b is 200

Exact value of a is : 100

Exact value of b is : 200