

C# - Nested if Statements

It is always legal in C# to **nest** if-else statements, which means you can use one if or else if statement inside another if or else if statement(s).

Syntax

The syntax for a **nested if** statement is as follows –

```
if( boolean_expression 1) {  
    /* Executes when the boolean expression 1 is true */  
    if(boolean_expression 2) {  
        /* Executes when the boolean expression 2 is true */  
    }  
}
```

You can nest **else if...else** in the similar way as you have nested *if* statement.

Example

```
using System;  
  
namespace DecisionMaking {  
    class Program {  
        static void Main(string[] args) {  
            /* Local variable definition */  
            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 */  
                    Console.WriteLine("Value of a is 100 and b is 200");  
                }  
            }  
            Console.WriteLine("Exact value of a is : {0}", a);  
            Console.WriteLine("Exact value of b is : {0}", b);  
            Console.ReadLine();  
        }  
    }  
}
```

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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