

C# - NESTED IF STATEMENTS

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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 statements.

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();
        }
    }
}
```

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
```

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