

# C# Nested If Else Statements with Examples

In **C#**, **Nested if-else** statements or conditions are useful to include one if...else statement (/tutorial/csharp/csharp-if-else-statement-with-examples) within another if...else statement (/tutorial/csharp/csharp-if-else-statement-with-examples) to test one condition followed by another condition.

Generally, in **C#** placing one if...else statement (/tutorial/csharp/csharp-if-else-statement-with-examples) within another if...else statement (/tutorial/csharp/csharp-if-else-statement-with-examples) is called a nested if...else statement (/tutorial/csharp/csharp-if-else-statement-with-examples).

## Syntax of C# Nested If-Else Statement

Following is the syntax of defining nested if...else statement (/tutorial/csharp/csharp-if-else-statement-with-examples) in **C#** programming language.

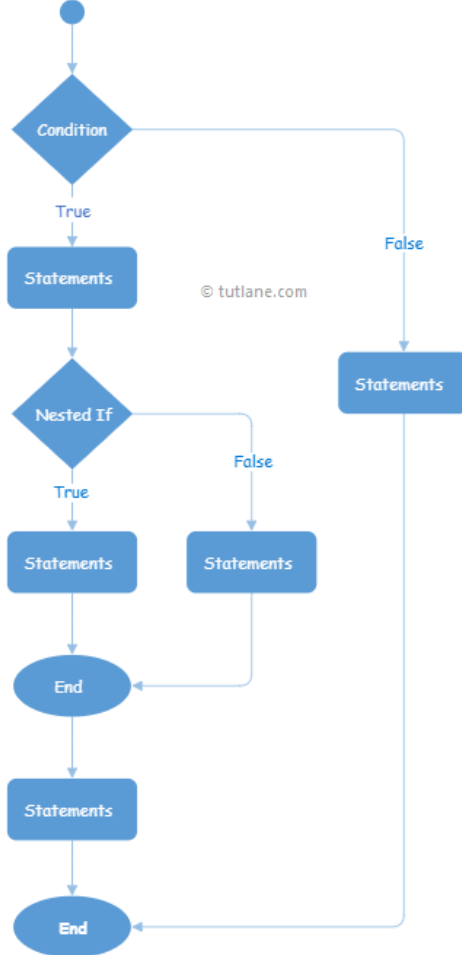
```
if (condition)
{
    if (nested_condition_1)
    {
        // Statements to Execute
    }
    else
    {
        // Statements to Execute
    }
}
else
{
    if (nested_condition_2)
    {
        // Statements to Execute
    }
    else
    {
        // Statements to Execute
    }
}
```

If you observe the above **C# nested if-else** statement syntax, we defined one if...else statement (/tutorial/csharp/csharp-if-else-statement-with-examples) within another if...else (/tutorial/csharp/csharp-if-else-statement-with-examples) condition to perform one condition followed by another condition.

In a **nested if-else** statement, the defined **if** condition returns **true**, it will enter into the body of the condition and perform another if...else (/tutorial/csharp/csharp-if-else-statement-with-examples) condition checking based on our requirements.

## C# Nested If-Else Statement Flow Chart Diagram

Following is the flow chart diagram that will represent the process flow of **nested-if-else** statement in **C#** programming language.



If you observe the above **C# nested if-else** statements flow chart if the defined condition is true, then another if...else (/tutorial/csharp/csharp-if-else-statement-with-examples) condition execution will happen and perform the required operations. Same way, other nested if-else (/tutorial/csharp/csharp-if-else-statement-with-examples) statements also will be executed based on our requirements.

## C# Nested If-Else Statement Example

Following is the example of defining a **nested if-else** statement in **C#** programming language to execute the block of code or statements followed by another block of code based on our requirements.

```

using System;

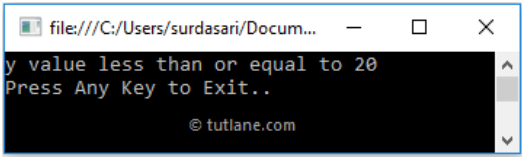
namespace Tutlane
{
    class Program
    {
        static void Main(string[] args)
        {
            int x = 5, y = 20;
            if (x > y)
            {
                if (x >= 10)
                {
                    Console.WriteLine("x value greater than or equal to 10");
                }
                else
                {
                    Console.WriteLine("x value less than 10");
                }
            }
            else
            {
                if (y <= 20)
                {
                    Console.WriteLine("y value less than or equal to 20");
                }
                else
                {
                    Console.WriteLine("y value greater than 20");
                }
            }
        }
    }
}
  
```

```
Console.WriteLine("Press Enter Key to Exit..");  
Console.ReadLine();  
    }  
}  
}
```

If you observe the above code, we defined **nested if-else** statements to execute one condition followed by another condition based on our requirements.

## Output of C# Nested If Else Statement Example

When we execute the above c# program, we will get the result below.



If you observe the above result, the **nested if-else** statements have been executed based on the conditions we defined and printed the required statement in the console window.

This is how we can use **nested if-else** statements in the c# programming language to execute the block of code or statements followed by another block of code or statements based on our requirements.

### CONTACT US

📍 **Address:** No.1-93, Pochamma Colony, Manikonda, Hyderabad, Telangana - 500089

✉ **Email:** [support@tutlane.com](mailto:support@tutlane.com) (mailto:support@tutlane.com)