

C# - if Statement

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

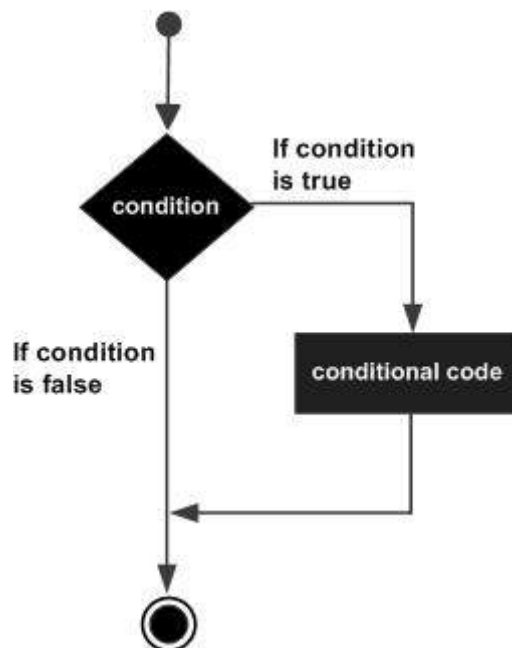
Syntax

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 is 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) is executed.

Flow Diagram



Example

```
using System;  
  
namespace DecisionMaking {  
    class Program {  
        static void Main(string[] args) {  
            /* Local variable definition */  
            int a = 10;  
        }  
    }  
}
```

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```
/* check the boolean condition using if statement */  
if (a < 20) {  
    /* if condition is true then print the following */  
    Console.WriteLine("a is less than 20");  
}  
Console.WriteLine("value of a is : {0}", a);  
Console.ReadLine();  
}  
}  
}
```

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

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