

# WEBISOFTTECH

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## JavaScript If...Else

### if statement

The if statement is the fundamental control statement that allows JavaScript to make decisions and execute statements conditionally.

#### Syntax

The syntax for a basic if statement is as follows –

```
if (expression) {  
    Statement(s) to be executed if expression is true  
}
```

Here a JavaScript expression is evaluated. If the resulting value is true, the given statement(s) are executed. If the expression is false, then no statement would be not executed. Most of the times, you will use comparison operators while making decisions.

```
<html>  
  <body>  
    <script type = "text/javascript">  
      <!--  
        var age = 20;  
  
        if( age > 18 ) {  
          document.write("<b>Qualifies for driving</b>");  
        }  
      <!-->  
    </script>  
    <p>Set the variable to different value and then try...</p>  
  </body>  
</html>
```

### if...else statement

The 'if...else' statement is the next form of control statement that allows JavaScript to execute statements in a more controlled way.

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```
if (expression) {  
    Statement(s) to be executed if expression is true  
} else {  
    Statement(s) to be executed if expression is false  
}
```

Here JavaScript expression is evaluated. If the resulting value is true, the given statement(s) in the ‘if’ block, are executed. If the expression is false, then the given statement(s) in the else block are executed.

```
<html>  
<body>  
  <script type = "text/javascript">  
    <!--  
      var age = 15;  
  
      if( age > 18 ) {  
        document.write("<b>Qualifies for driving</b>");  
      } else {  
        document.write("<b>Does not qualify for driving</b>");  
      }  
    //-->  
  </script>  
  <p>Set the variable to different value and then try...</p>  
</body>  
</html>
```

## Output

Does not qualify for driving

Set the variable to different value and then try...

## if...else if... statement

The if...else if... statement is an advanced form of if...else that allows JavaScript to make a correct decision out of several conditions.

```
<html>  
<body>  
  <script type = "text/javascript">  
    <!--  
      var book = "maths";  
      if( book == "history" ) {  
        document.write("<b>History Book</b>");  
      }  
    </script>  
  </body>  
</html>
```

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```
    } else if( book == "maths" ) {  
        document.write("<b>Maths Book</b>");  
    } else if( book == "economics" ) {  
        document.write("<b>Economics Book</b>");  
    } else {  
        document.write("<b>Unknown Book</b>");  
    }  
    //-->  
</script>  
<p>Set the variable to different value and then try...</p>  
</body>  
<html>
```