

JavaScript if else statements

While writing a program, there may be a situation when you need to adopt one out of a given set of paths. In such cases, you need to use conditional statements that allow your program to make correct decisions and perform right actions.

JavaScript supports conditional statements which are used to perform different actions based on different conditions.

In JavaScript we have the following conditional statements:

- Use **if** to specify a block of code to be executed, if a specified condition is true
- Use **else** to specify a block of code to be executed, if the same condition is false
- Use **else if** to specify a new condition to test, if the first condition is false

The if Statement

Use the **if** statement to specify a block of JavaScript code to be executed if a condition is true.

Syntax

```
if (condition) {  
    block of code to be executed if the condition is true  
}
```

Example

```
if (a > b) {  
    message = "a is greater than b";  
}
```

The if else Statement

Use **if else** statement to specify a block of code to be executed if the condition is false.

Syntax

```
if (condition) {  
    block of code to be executed if the condition is true  
} else {  
    block of code to be executed if the condition is false  
}
```

Example

```
if (a>b) {  
    message= "a is larger then b";  
} else {
```

```
    message = "b is larger then a";  
}
```

The else if Statement

Use the **else if** statement to specify a new condition if the first condition is false.

Syntax

```
if (condition1) {  
    block of code to be executed if condition1 is true  
}  
else if (condition2) {  
    block of code to be executed if the condition1 is false and  
    condition2 is true  
}  
else {  
    block of code to be executed if the condition1 is false and  
    condition2 is false  
}
```

Example

```
if (a==1) {  
    message = "value of a is 1";  
} else if (a=2) {
```

```
    message = "value of a is 2";  
} else {  
    message = "value of a is not 1 or 2";  
}
```