

Conditional Statements

Very often when you write code, you want to perform different actions for different decisions. You can use conditional statements in your code to do this.

In JavaScript we have the following conditional statements:

if statement

- use this statement if you want to execute some code only if a specified condition is true .

Syntax:-

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

if...else statement

- use this statement if you want to execute some code if the condition is true
and another code if the condition is false .

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

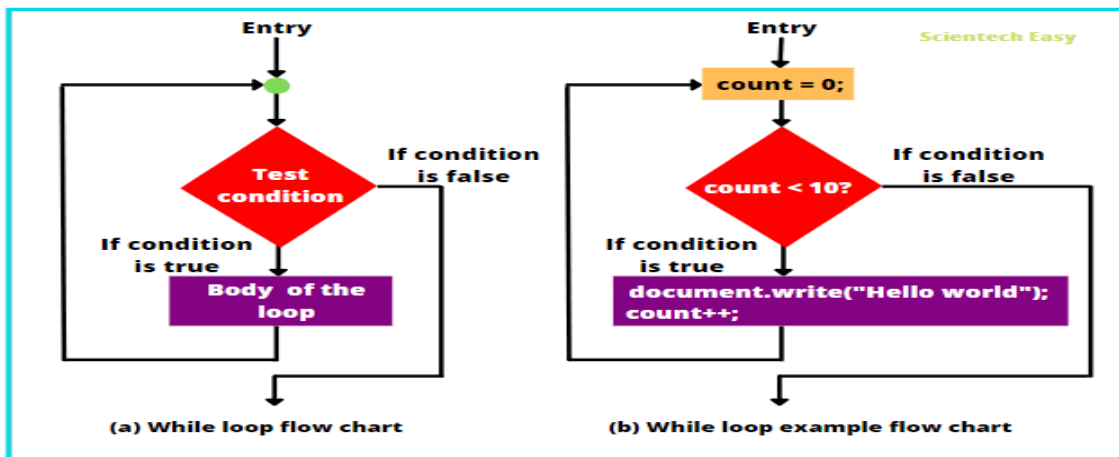
- use this statement if you want to select one of many blocks of code to be executed .

switch statement

- use this statement if you want to select one of many blocks of code to be executed

While loop :

This loop continues executing a block of code as long as a specified condition remains true.



```
let count = 0;
while (count < 3) {
  console.log("Count:", count);
  count++;
}
```

Do while loop :

Similar to while, but the code block will always execute at least once, even if the condition is initially false.

do...while loop

do...while loop executes until condition becomes false
do...while loop always executes once before condition check

```
do {  
  increment / decrement / change  
} while ( condition )  
         |  
       given condition
```

```
let i = 0;  
do {  
  console.log("while loop");  
  i++;  
} while ( i < 10 ) // output: print 10 times "while loop"  
i = 1;  
do {  
  console.log( i + " " );  
  i++;  
} while ( i <= 10 ) // output: 1 2 3 4 5 6 7 8 9 10
```

example

```
let count = 1;  
do {  
  console.log(count);  
  count++;  
} while (count <= 5);
```