

## JAVA-SCRIPT FUNCTION

### (6)function example:

```
<script>
    function msg(){
        alert("hello! this is message");
    }
</script>
<input type="button" onclick="msg()" value="call function"/>
```

### (7)argument function:

```
<script>
    function getcube(number){
        alert(number*number*number);
    }
</script>
<form>
<input type="button" value="click" onclick="getcube(4)"/>
</form>
```

### (8)return function:

```
<script>
    function getInfo(){
        return "hello javatpoint! How r u?";
    }
</script>
```

```
</script>
<script>
document.write(getInfo());
</script>
```

**(9)alert example:**

```
<!DOCTYPE html>
<html>
<body>

<p>Click the button to display an alert box:</p>

<button onclick="myFunction()">Try it</button>

<script>
function myFunction() {
    alert("I am an alert box!");
}
</script>

</body>
</html>
```

**(10)confirm example:**

```
<!DOCTYPE html>
<html>
<body>
```

```
<p>Click the button to display a confirm box.</p>
```

```
<button onclick="myFunction()">Try it</button>
```

```
<p id="demo"></p>
```

```
<script>
```

```
function myFunction() {
```

```
    var x;
```

```
    if (confirm("Press a button!") == true) {
```

```
        x = "You pressed OK!";
```

```
    } else {
```

```
        x = "You pressed Cancel!";
```

```
    }
```

```
    document.getElementById("demo").innerHTML = x;
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```

### **(11) Prompt example:**

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<p>Click the button to demonstrate the prompt box.</p>
```

```
<button onclick="myFunction()">Try it</button>
```

```
<p id="demo"></p>
```

```
<script>
```

```
function myFunction() {
```

```
    var person = prompt("Please enter your name", "Harry Potter");
```

```
    if (person != null) {
```

```
        document.getElementById("demo").innerHTML =
```

```
        "Hello " + person + "! How are you today?";
```

```
    }
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```

## JAVA-SCRIPT ARRAY

**(3) simple array example:**

```
<script>
```

```
    var emp=["Sonoo","Vimal","Ratan"];
```

```
    document.write(emp[0]+"<br>");
```

```
    document.write(emp[1]+"<br>");
```

```
    document.write(emp[2]);
```

```
</script>
```

**(4)New keyword using array example:**

```
<script>
    var i;
    var emp = new Array();
    emp[0] = "Arun";
    emp[1] = "Varun";
    emp[2] = "John";
    document.write(emp[0]+"<br>");
    document.write(emp[1]+"<br>");
    document.write(emp[2]+"<br>");
</script>
```

**(5)array constructor :**

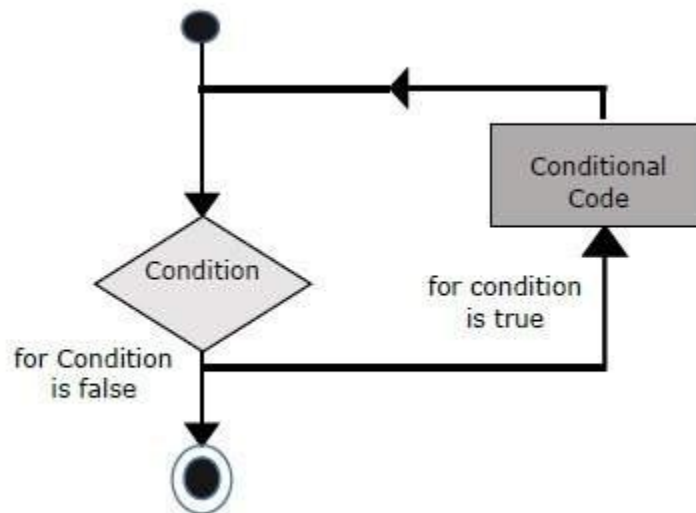
```
<script>
    var emp=new Array("Jai","Vijay","Smith");

    document.write(emp[0] + "<br>");
    document.write(emp[1] + "<br>");
    document.write(emp[2] + "<br>");

</script>
```

# JAVA-SCRIPT LOOP

## FOR LOOP CONCEPT:



## For loop Syntax:

### Syntax:

The syntax of for loop in JavaScript is as follows –

```
for (initialization; test condition; iteration statement){  
    Statement(s) to be executed if test condition is true  
}
```

## for loop example:

```
<html>
```

```
<body>
```

```
<script type="text/javascript">
```

```
    var count;
```

```
document.write("Starting Loop" + "<br />");
```

```
for(count = 0; count < 10; count++){  
    document.write("Current Count : " + count );  
    document.write("<br />");  
}
```

```
document.write("Loop stopped!");
```

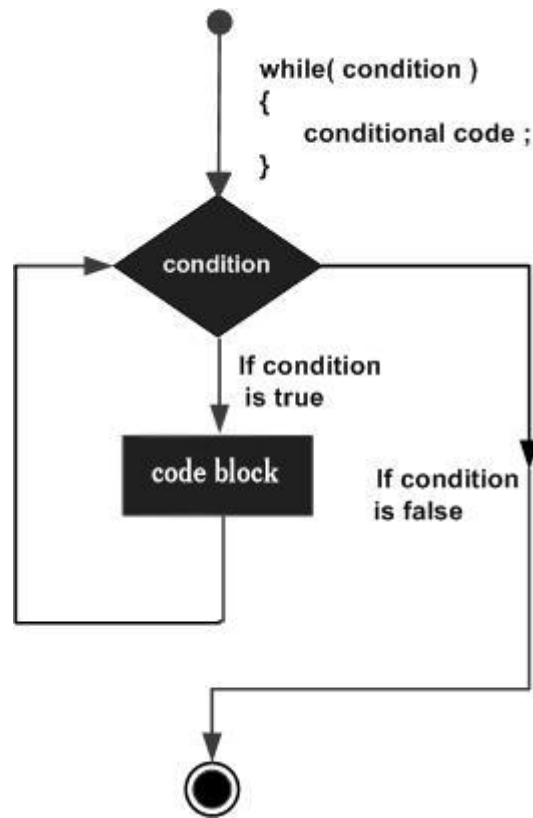
```
</script>
```

```
<p>Set the variable to different value and then try...</p>
```

```
</body>
```

```
</html>
```

**While LOOP concept:**



**while** loop syntax:

The syntax of **while loop** in JavaScript is as follows –

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

**while loop example:**

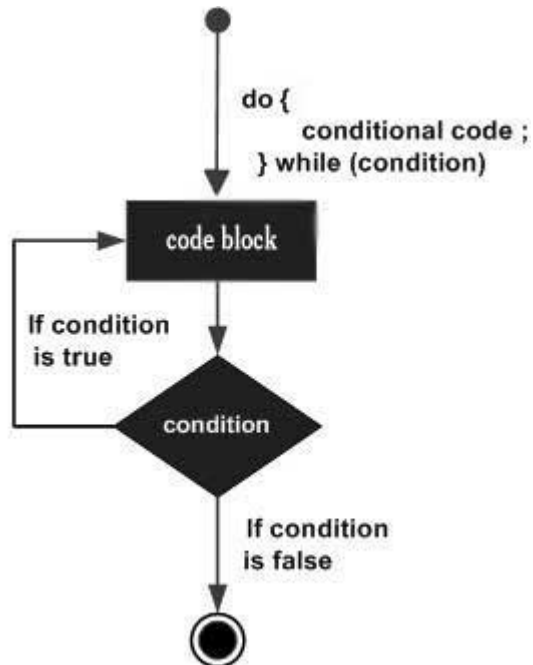
```
<html>  
<body>  
<script type="text/javascript">
```



```
var count = 0;
document.write("Starting Loop ");

while (count < 10){
    document.write("Current Count : " + count + "<br />");
    count++;
}
document.write("Loop stopped!");
</script>
</body>
</html>
```

### Do While Loop Concept:



**Do while syntax:**

## Syntax

The syntax for **do-while** loop in JavaScript is as follows –

```
do{  
    Statement(s) to be executed;  
} while (expression);
```

**Note** – Don't miss the semicolon used at the end of the do...while loop.

**do while example:**

```
<html>  
  <body>  
    <script type="text/javascript">  
  
      var count = 0;  
  
      document.write("Starting Loop" + "<br />");  
      do{  
        document.write("Current Count : " + count + "<br />");  
        count++;  
      }  
  
      while (count < 5);  
      document.write ("Loop stopped!");  
    </script>  
  </body>  
</html>
```

## JavaScript Statement:-

### If statement

#### Concept:

The **if** statement specifies a block of code to be executed if a condition is true:

#### Syntax:

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

(1)if example:

```
<html>  
<body>  
  
    <script type="text/javascript">  
  
        var age = 20;  
  
        if( age > 18 ){  
            document.write("<b>Qualifies for driving</b>");  
        }  
    </script>  
</body>  
</html>
```

```
</script>
```

```
</body>
```

```
</html>
```

## **Concept:**

The **else** statement specifies 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  
}
```

(2)if else example:

```
<html>
```

```
<body>
```

```
<script type="text/javascript">
```

```
var age = 20;
```

```
if( age > 18 ){
```

```
    document.write("<b>Qualifies for driving</b>");
```

```
    }

    else{
        document.write("<b>Does not qualify for driving</b>");
    }

</script>
</body>
</html>
```

## Concept:

The **else if** statement specifies 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
means no condition is matched.
}
```

(3)else if example :

```
<html>
  <body>
    <script type="text/javascript">

      var book ="history";
      if( book == "history" ){
        document.write("<b>History Book</b>");
      }

      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>
  </body>
</html>
```

Use the switch statement to select one of many blocks of code to be executed.

**Concept:**

This is how it works:

- The switch **expression** is evaluated once.
- The value of the expression is compared with the values of each case.
- If there is a match, the associated block of code is executed.
- **Break** keyword, it breaks out of the switch block.
- This will stop the execution of more code and case testing inside the block.
- When a match is found, and the job is done, it's time for a break. There is no need for more testing.
- The **default** keyword specifies the code to run if there is no case match

### **Syntax:**

```
switch(expression)
```

```
{
```

```
    case n1:
```

```
        code block to be executed if case n1 is  
matched.
```

```
    break;
```

```
    case n2:
```

```
        code block to be executed if case n2 is  
matched.
```

```
    break;
```

```
    default:
```

```
        default code block to be execute if no  
case matched
```

```
    break;  
}
```

(15)switch example :

```
<html>  
  <body>  
  
    <script type="text/javascript">  
  
      var grade='B';  
      document.write("Entering switch block<br />");  
      switch (grade)  
      {  
        case 'A': document.write("Good job<br />");  
          break;  
  
        case 'B': document.write("Pretty good<br />");  
          break;  
  
        case 'C': document.write("Passed<br />");  
          break;  
  
        case 'D': document.write("Not so good<br />");  
          break;  
  
        case 'F': document.write("Failed<br />");
```



```
break;
```

```
default: document.write("Unknown grade<br />");
```

```
break;
```

```
}
```

```
</script>
```

```
</body>
```

```
</html>
```