



ITERATIONS

do-while



```
var i = 0;
do
{
    console.log("Hello World");
    i++;
}while(i<5);
```

while



```
var i = 0;
while(i<5)
{
    console.log("Hello World");
    i++;
}
```

for



```
for(var i = 0;i<5;i++)
{
    console.log("Hello World");
}
```

Loops with Arrays





Without Loop



```
var a = [10,20,30,40,50,60];  
  
console.log(a[0]);  
console.log(a[1]);  
console.log(a[2]);  
console.log(a[3]);  
console.log(a[4]);  
console.log(a[5]);
```

do-while loop

```
var a = [10,20,30,40,50,60];  
  
var i = 0;  
do  
{  
    console.log(a[i]);  
    i++;  
}while(i<6);
```

while loop

```
var a = [10,20,30,40,50,60];  
  
var i = 0;  
while(i<a.length)  
{  
    console.log(a[i]);  
    i++;  
}
```





for loop



```
var a = [10,20,30,40,50,60];

for(var i = 0;i<6;i++)
{
    console.log(a[i]);
}
```

for-in loop

```
var a = [10,20,30,40,50,60];

for(var i in a)
{
    console.log(a[i]);
}
```

for-of loop

```
let a = [10,20,30,40,50,60];

for(let v of a)
{
    console.log(v);
}
```





```
var a = [10,20,30,40,50,60];

a[9] = 90;
for(var i in a)
{
    console.log("i = "+i);
    console.log("a["+i+"] = "+a[i]);
}
```

```
i = 0
a[0] = 10
i = 1
a[1] = 20
i = 2
a[2] = 30
i = 3
a[3] = 40
i = 4
a[4] = 50
i = 5
a[5] = 60
i = 9
a[9] = 90
```

for..of

```
var a = [10,20,30,40,50,60];
a[9] = 90;
for(var v of a)
{
    console.log(v);
}
```





20
30
40
50
60
undefined
undefined
undefined
90

LINEAR SEARCH

do-while



```
let a = [10,20,30,40,50,60];  
let b = 10;  
  
let i = 0;  
let flag = false;  
  
do  
{  
  if(b == a[i])  
  {  
    console.log("Number is Found");  
    flag = true;  
    break;  
  }  
  i++;  
}while(i<a.length);  
  
if(flag == false)  
{  
  console.log("Sorry Number is Not Found :(");  
}
```





```
let a = [10,20,30,40,50,60];
let b = 10;

let i = 0;
let flag = false;

while(i<a.length)
{
    if(b == a[i])
    {
        console.log("Number is Found");
        flag = true;
        break;
    }
    i++;
}

if(flag == false)
{
    console.log("Sorry Number is Not Found :(");
}
```





```
let a = [10,20,30,40,50,60];
let b = 10;

let i = 0;
let flag = false;

for(let i=0;i<a.length;i++)
{
    if(b == a[i])
    {
        console.log("Number is Found");
        flag = true;
        break;
    }
}

if(flag == false)
{
    console.log("Sorry Number is Not Found :(");
}
```

Add : 25, Patel Shopping Center, Sai Nath Road, Malad (west) ,Opp malad subway , Mumbai 64 Contact : 9820396074, 022-28809398, 9820860292
Copyright © 2011-2020 Rajesh Patkar, All rights reserved.

