

JAVASCRIPT

FUNCTIONS :


Block of code that performs a specific task, can be invoked whenever needed

Function definition , function call

Arrow functions :

Compact way of writing a function

```
1  const sum=(a,b)=>{
2    return a+b
3  }
4  console.log(sum(3,4))
```



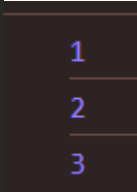
forEach :

arr.forEach(callbackFunction)

Callback function : It is a function to execute for each element in the array

A callback is a function passed as an argument to another function

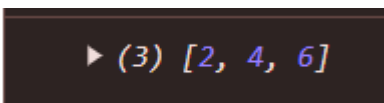
```
6  let arr=[1,2,3]
7  arr.forEach((val)=>{
8    console.log(val);
9  })
```



MAP :

Creates a new array with the results of some operation. The value its callback returns are used to form new array.

```
12 let arr=[1,2,3]
13 console.log(arr.map((val)=>{
14   return val*2;
15 })))
```



Filter :

Creates a new array of elements that give true for a condition filter.

```
18 let arr=[1,2,3,4]
19 console.log(arr.filter((val)=>{
20     return val%2==0;
21 })))
```

► (2) [2, 4]

Reduce:

Perform some operation & reduce the array to a single value.It return that single value.

```
23 let arr=[1,2,3,4]
24 let s=0
25 console.log(arr.reduce((s,val)=>{
26     return s+val;
27 })))
```

10

```
let arr=[1,2,3,4]
console.log(arr.reduce((s,val)=>{
    return s+val;
},0))
```