############## ARRAY ############################

**//Get Array Length**

let arr = [10,20,30,40,50]

console.log(arr.length)

**//Convert Array to String**

let arr = [10,20,30,40,50]

console.log(arr.toString())

**//sort a string object ARRAY**

let arrob = ["Nibba","Rocky","Nibbi","Rakesh"];

let r = arrob.sort()

console.log(r)

**//sort a numbered object ARRAY**

let arrob = [10,5,50,30,25];

let r = arrob.sort((a,b)=>{return a -b})

console.log(r)

**//sort a JSON object ARRAY on Numerical values**

let arrob = [{val:50},{val:5},{val:30},{val:10}];

let r = arrob.sort((a,b)=>{return a['val'] - b['val']})

console.log(JSON.stringify(r))

**//sort a JSON object ARRAY on String values**

let arr = [{name:"Nikki"},{name:"Nikkun"},{name:"Rakesh"},{name:"Arpita"}];

let sortedArr = arr.sort((a,b)=>{

if(a['name'] < b['name']){return -1}

if(a['name'] > b['name']){return 1}

return 0;

});

console.log(JSON.stringify(sortedArr))

**//Convert Array to String using join**

let arr = [10,20,30,40,50]

console.log(arr.join())

**//add item in start**

let arr = [10,20,30,40,50]

arr.unshift(1)

console.log(arr)

**//remove item in start**

let arr = [10,20,30,40,50]

arr.shift()

console.log(arr)

**//add item in end**

let arr = [10,20,30,40,50]

arr.push(60)

console.log(arr)

**//remove item at the end**

let arr = [10,20,30,40,50]

arr.pop()

console.log(arr)

**//splice: add item at the middle 2nd Index, value 30**

let arr = [10,20,40,50,60]

arr.splice(2,0,30)

console.log(arr)

**//Splice : remove item from the middle 2nd Index, value 30**

let arr = [10,20,30,40,50,60]

arr.splice(2,1)

console.log(arr)

**//slice array item from index 2-4**

let arr = [10,20,30,40,50,60]

let r = arr.slice(1,4)

console.log(r)

**//delete array item from index 1**

let arr = [10,20,30,40,50,60]

let r = delete arr[1];

console.log(arr)

//output 10,,30,40,50,60

**//concat 2 arrays**

let arr = [10,20,30];

let arr2 = [40,50,60]

let newArr = arr.concat(arr2)

console.log(newArr)

**//reverse an array**

let arr = [10,20,30];

let newArr = arr.reverse()

console.log(newArr)

**//map each value of an array \* 5**

let arr = [10,20,30];

let newArr = arr.map((item)=>{return item \* 5})

console.log(newArr)

**//Reduce - add all the items of an array**

let arr = [10,20,30];

let newArr = arr.reduce((item,value)=>{return item + value})

console.log(newArr)

**//filter - get values more than 20**

let arr = [10,20,30,5,40,90];

let newArr = arr.filter((items)=>{return items > 20})

console.log(newArr)

**//forEach - print all values**

let arr = [10,20,30,5,40,90];

let newArr = arr.forEach((items)=>{console.log(items)})

**//Every - check if condition passes all values**

let arr = [10,20,30,5,40,90];

let newArr = arr.every((items)=>{items > 30})

console.log(newArr)

**//Some - check if condition passes any one values**

let arr = [10,20,30,5,40,90];

let newArr = arr.some((items)=>{items > 30})

console.log(newArr)

**//find - check and retrun the first value matches the condition**

let arr = [13,21,30,40,50,90];

let newArr = arr.find((items) => items % 2 === 0)

console.log(newArr)

**//findIndex - check and retrun the first value index matches the condition**

let arr = [13,21,30,40,50,90];

let newArr = arr.findIndex((items) => items % 2 === 0)

console.log(newArr)

**//Entries - it keeps index and value**

let arr = [13,21,30];

let newArr = arr.entries();

console.log(newArr.next().value)

console.log(newArr.next().value)

console.log(newArr.next().value)

or

console.log([...newArr])