

Arrays

Declaration

```
const arr = [1,2,3,4,5]

const arr = new Array(1,2,3,4,5)
```

Methods

1. Push() and Pop()

[koue bhi value last se add hogi push() se or last se remove hogi pop()se]

```
let arr = [1,2,3,4,5]

arr.push("gaurav") [ 1, 2, 3, 4, 5 , "gaurav" ]
arr.pop() [ 1, 2, 3, 4, 5 ]

console.log(arr)
```

2. unshift() and shift()

[koue bhi value first se add hogi unshift() se or last se remove hogi shift()se]

```
let arr = [1,2,3,4,5]

arr.unshift(6) [ 6, 1, 2, 3, 4, 5 ]

arr.shift() [ 1, 2, 3, 4, 5 ]
console.log(arr)
```

3. includes() and indexOf()

includes()- its return true or false value arr ke andr ha ya nhi ha

indexOf() -value koun se index may ha ye show krta ha

```
let arr = [1,2,3,4,5]

console.log(arr.includes(6)) false
console.log(arr.includes(4)) true

console.log(arr.indexOf(5)) index value is 4
```

4. .join()

join() convert array into string

```
let arr = [1,2,3,4,5]

let b= arr.join()

console.log(b)  "1,2,3,4,5"
```

5. slice() and splice()

```
let arr = [1,2,3,4,5]

let b= arr.slice()
let c= arr.splice()

console.log(b)
```

6. concat()

```
let arr1= [1,2,3,4,5]

let arr2= [6,7,8,9]

let b = arr1.concat(arr2)
```

```
console.log(b) [1, 2, 3, 4, 5, 6]
```

7. spread operator

```
const numbers1 = [1, 2, 3];  
const numbers2 = [4, 5, 6];  
  
const combinedNumbers = [...numbers1, ...numbers2]; // [1, 2, 3, 4, 5, 6]
```

8. flat()

```
let arr= [1,2,3,[23,6,7,[45,7,8,[2,3,5,7,[6,7,8,3]]]],4,5,6]  
  
let c= arr.flat(Infinity)  
  
console.log(c)  
[ 1, 2, 3, 23, 6, 7, 45, 7, 8, 2, 3, 5, 7, 6, 7, 8, 3, 4, 5, 6 ]
```

interview wise topic Array.isArray() / Array.of() / Array.of()

9. Array.isArray()

[for checking value jo arrhi ha vo array ha ya nhi]

```
let a = 'gaurav'  
let c = Array.isArray(a)  
console.log(c) false
```

10. convert into Array "Array.from(value)"

```
let a = 'gaurav'  
let c = Array.from(a)
```

```
console.log(c)
[ 'g', 'a', 'u', 'r', 'a', 'v' ]
```

11. Array.of(value)

{different value ko add kr ke new array bnana}

```
let a = 'gaurav'
let b = 'sondojha'
let c = 'sheruy'

console.log(Array.of(a,b,c))

[ 'gaurav', 'sondojha', 'sheruy' ]
```