

Array & Objects

1) Loop - To traverse inside the array & access each ele.

```
let arr = [ 20, 10, 5, 4, 22 ]
```

```
for ( let i = 0 ; i < arr.length ; i++ )  
{  
  console.log ( arr[i] )  
}
```

for of :-
Syntax

```
for ( const ele of obj )  
{  
  // access each at ele of array  
}
```

It's not applicable to object, it works on array, set, map etc.

② for in :-

Syntax:-
for (const ele ^{key} in object)
{
 c.log(object[ele]);
}

eg. let obj = {
 name: 'rajiv',
 sid: 22101
}

for (const key in obj)
{
 c.log(`\${key}: \${obj[key]}`)
}

③ for each let arr = [20, 10, 5, 4, 32]

Syntax. \Rightarrow arr. forEach (function (pele, index)
{
 c.log(ele * 2);
}
)

DIFF betⁿ For of & forEach

for of

- 1) It is loop structure
- 2) to visit every ele of array
- 3) break, continue, return applⁿ to for of

e.g.

obj₁ = {

function deepCopy (obj)
{

let obj₁ = structuredClone(obj);

}

}

For Each

- 1) it is funⁿ (higher order funⁿ)
- 2) to visit every ele of object and funⁿ on each ele of array

- 3) But For Each never used break, continue, return

It's never stop / break, once it's start.

e.g.

{ let product =
}

deepCopy (product)

let product = {

spec: {
}

product

✓ function deepCopy(obj)

{

let obj2 = structuredClone(obj)

}

obj1 = {

deepCopy(product)