**COPYING VALUES IN JS**

1. **SHALLOW COPY**
2. **DEEP COPY**

**1.SHALLOW COPY:**

If we change one object it will affect the other object that has the reference of the original value.

Methods to avoid shallow copy:

* Using spread operator
* Using Object.assign()
* Using JSON.stringify and JSON.parse

Eg:

var obj={

    name:'radhi',

    age:19,

}

obj.age=20;

console.log(obj);

Eg:using assign operator

let obj1={

    name:"radhika",

    id:1,

}

let obj2=Object.assign({},obj1);

obj2.id=2;

console.log(obj1);

console.log(obj2)

Eg: using json. Stringify

let obj1={

    name:"radhika",

    id:1,

}

let obj2=JSON.parse(JSON.stringify(obj1));

obj2.id=2;

console.log(obj1);

console.log(obj2)

2.Deep Copy:

The deep copy means that if the copy a variable is made and then any changes in the copied variable it does not affect the original variable.

JSON stringify.

JSON parse, is used for deep copy.