```
1. let arr=[1,2,3,4,5]
function DoubleTheNumber(arr){
    return arr*2
}let res=arr.map(DoubleTheNumber)
console.log(res)
Output:- [ 2, 4, 6, 8, 10 ]
```

```
2. let arr=[1,2,3,4,5]
function DoubleTheNumber(arr){
    return arr*2
}let res=arr.map(DoubleTheNumber)
console.log(res)
output:-
alice
bob
charlie
david
```

```
3.
let arr=[1,2,3,4,5,6,7,8,9,10]
res=arr.filter(a=>(a%2==0))
console.log(res)
output:- [ 2, 4, 6, 8, 10 ]
```

```
4. let arr=[
    {name:'alice',score:85},
    {name:'bob',score:92},
    {name:'charlie',score:88}
    ]
    function demo(obj){
        return obj.name+" "+"has scored"+obj.score
    }
    let res=arr.map(demo);
    console.log(res)
```

output:- ['alice has scored85', 'bob has scored92', 'charlie has scored88']

5.

```
   let arr = [
  { name: 'Alice', age: 17 },
  { name: 'Bob', age: 20 },
  { name: 'Charlie', age: 15 },
  { name: 'David',age:22}
];
let res=arr.filter(a=>a.age>=18);
console.log(res)
```

output:- [{ name: 'Bob', age: 20 }, { name: 'David', age: 22 }]

6.

```
let arr=['hello','world','javascript','map'];
let res=arr.map(a=>a.toUpperCase())
console.log(res)
```

output:- ['HELLO', 'WORLD', 'JAVASCRIPT', 'MAP']

7.
```
let arr=[10,20,30,40,50]
let x=[]
res=arr.forEach(a=>x.push(a+1))
console.log(x)
```

output:- [11, 21, 31, 41, 51]

8.

```
let arr=['hi','hello','hey','world','js']
res=arr.filter(a=>a.length>=3);
console.log(res)
```

output:- ['hello', 'hey', 'world']