

1.Remove String from this array.

```
const arr= [1,2,3,'how','when','what',true,false,null,0]

const modifiedArray=arr.filter((item)=>typeof item!='string')

console.log(modifiedArray)
```

2. Remove highest value from this object

```
const obj = { a: 10, b: 21, c: 31, d: 41 }

const highest = Object.keys(obj).reduce((acc, curr) => obj[acc] >
obj[curr] ? acc : curr);

delete obj[highest];

console.log(obj);
```

3.Implement a function takes any number of arguments, divides them into two halves, and returns an array containing these two halves

```
function split(...args) {

    const firstHalf = args.slice(0, args.length / 2);

    const secondHalf = args.slice(args.length / 2);

    console.log(args);

    return [firstHalf, secondHalf];
}

console.log(split(1,2,3,4,5,6,7,8,9));
```

4. Print Hi with a gap of 1 second for 5 seconds

```
const stopper = setInterval(() => {
  console.log('hi')
}, 1000)

setTimeout(() => {
  clearInterval(stopper)
}, 6000)
```

5. Multiples of 3 using generator function

```
function* generate(n) {
  for(i=1;i>0;i++) {
    yield n*i;
  }
}

const multiple3 = generate(3)
console.log(multiple3.next().value)
console.log([...generate(3)])
```

6. Sum of positive numbers only

```
let a=[1,-4,3,4,-3,-9,9,8,-7]

let sum=a.reduce((acc,curr)=>{
  if(curr>0){
    acc = acc+curr
  }
  return acc;
},0)

console.log(sum);
```

7. Capitalise last letter of string

```
let s='hit'

let last=s.slice(-1).toUpperCase();

let result=s.slice(0,-1)+last

console.log(result)
```

8. Count occurrence of element in an array

```
let a = [1, 1, 2, 2, 3, 3, 3, 4, 5, 6]

let b = a.reduce((acc, curr) => {
    acc[curr] = (acc[curr] || 0) + 1

    return acc;
}, {})

console.log(b);
```

9.Delete odd numbers

```
const obj = { a: 1, b: 2, c: 3, d: 4 }
const key = Object.keys(obj)

for (let i = 0; i < key.length; i++) {

    if (obj[key[i]] % 2) {

        delete obj[key[i]]
    }
}

console.log(obj);
```

10. count vowels in a given array

```
let a=['a','b','c','e','i','d','u']

let vowels= ['a','e','i','o','u']
let count=0;
for(let i=0;i<a.length;i++){
    if(vowels.includes(a[i])){
        count++
    }
}
console.log(count);
```

11. Swap first and last letter of a given string

```
let a="hello"
let b=a.split('')

temp=b[0];

b[0]=b[b.length-1];

b[b.length-1]=temp;

a=b.join('')
console.log(a);
```

12. Palindrome

```
let a ='malayalam'

let r=a.split('').reverse().join('')
console.log(r==a?'palindrome':'not palidrome')
```

13. Shortest word from a given sentence

```
let s='hi i am anandhu'

let splitS=s.split(' ')

let shortest=splitS[0]

for(word of splitS){
  if(word.length<shortest.length){
    shortest=word
  }
}

console.log(shortest)
```

14. Second largest using reduce

```
let a=[12,43,24,3,77,5,9,10,77]

let b=a.reduce((acc,curr)=>{
  let [largest,secondLargest]=acc;
  if(curr>largest){
    secondLargest=largest;
    largest=curr;
  }else if(curr>secondLargest&&curr<largest){
    secondLargest=curr;
  }
  return[largest,secondLargest];
},[-Infinity,-Infinity])

console.log(b[1]);
```