

//a.Print odd numbers in an array

//Print odd numbers in an array

```
let oddarr=(arr)=>{
  array=[];
  for(let n of arr){
    if(n%2!==0){
      array.push(n);
    }
  }
  return array;
}
```

```
let arr=[3,4,5,6,7,8]
```

```
console.log(oddarr(arr))
```

```
[Running] node "c:\Users\PRAKASH
T\OneDrive\Documents\JS\r.js"
[ 3, 5, 7 ]
```

```
[Done] exited with code=0 in 3.147 seconds
```

//Convert all the strings to title caps in a string array

```
let arr=(array)=> {

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

    let words = array[i].toLowerCase().split(' ');
    for (let j = 0; j < words.length; j++) {
      words[j] = words[j].charAt(0).toUpperCase() +
words[j].substring(1);
    }
    array[i] = words.join(' ');
  }
  return array;
}
```

```
let stringArray = ["hello world", "good morning", "have a nice day"];

console.log(arr(stringArray));
```

Output:

```
[Running] node "c:\Users\PRAKASH
T\OneDrive\Documents\JS\r.js"
[ 'Hello World', 'Good Morning', 'Have A Nice Day' ]

[Done] exited with code=0 in 2.53 seconds
```

//Sum of all numbers in an array

```
let sum=(arr)=>{
  let total=0;
  for(let i=0;i<arr.length;i++){
    total=total+arr[i];
  }
  console.log(total);
}
let arr=[6,5,4,3,2,1];

sum(arr);
```

//Return all the prime number in array

```
let prime=(num)=>{
  if(num<=1){
    return false;
  }

  for(let j=2;j<=Math.sqrt(num);j++){
    if(num%j==0){
      return false;
    }
  }
}
```

```

        return true;
    }

const arr=[9,8,7,6,5,4,3,2,1];
let primearr=[];
for(let num of arr){
    if(prime(num)){
        primearr.push(num);
    }
}
console.log(primearr);

//Return all the palindromes in an array

let palindrome=(word)=>{
    let temp='';

    temp=word.split('').reverse().join('');

    if(temp===word){
        return true;
    }else{
        return false;
    }
}

let str=['madam','class','malayalam','one','rupees','level'];

let palindromearr=[];

for(let word of str){
    if(palindrome(word)){
        palindromearr.push(word);
    }
}
console.log(palindromearr);

```

Output:

```
[Running] node "c:\Users\PRAKASH  
T\OneDrive\Documents\JS\r.js"  
[ 'madam', 'malayalam', 'level' ]  
  
[Done] exited with code=0 in 1.848 seconds
```