// find the largest number in an array

let arr=[1,5,3,4,6]

let max=arr[0];

for(i=0;i<=arr.length;i++)

{

    if(arr[i]>max)

    {

        max=arr[i];

    }

}

console.log(max);

Output:6

//  find the second largest number in an array

let arr=[1,3,2,5,4]

let max=arr[0];

let secmax=arr[0];

for(i=0;i<=arr.length;i++)

{

    if(arr[i]>max)

    {

        secmax=max;

    }

    if(arr[i]>secmax)

    {

        secmax=arr[i];

    }

}

console.log(secmax);

Output:4

// //  find the smallest number in an array

let arr = [1, 3, 2, 5, 4];

let min = arr[0];

for (let i = 1; i < arr.length; i++) {

    if (arr[i] < min) {

        min = arr[i];

    }

}

console.log(min);

Output:1

//  find the sum of the even numbers in an array

let arr=[3,1,2,6,5,4];

let even=0;

for(i=0;i<arr.length;i++)

{

    if(arr[i]%2==0)

    {

        even=even+arr[i];

    }

}

console.log(even);

Output:12

//  find the odd numbers in an array and push into new array

let arr=[2,1,4,3,5,6,7]

let odd=[];

for(i=0;i<arr.length;i++)

{

    if(arr[i]%2!=0)

    {

        odd.push(arr[i]);

    }

}

console.log(odd);

Output: [ 1, 3, 5, 7 ]