1. Do the below programs in arrow functions.
   1. Print odd numbers in an array
   2. Convert all the strings to title caps in a string array
   3. Sum of all numbers in an array
   4. Return all the prime numbers in an array
   5. Return all the palindromes in an array

Solutions:

1. Print odd numbers in an array

Arrow Function:

var y=[1,2,3,4,5,6,7]

var odd=(array)=>{

let arr=[];

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

{

if(array[i]%2!==0)

{

arr.push(array[i]);

}

}

return arr;

}

console.log(odd(y));

1. Convert all the strings to title caps in a string array

Arrow Function:

var str="vukkisila raaga shobitha";

let def= (str)=>{

str = str.toLowerCase().split(' ');

for (var i = 0; i < str.length; i++) {

str[i] = str[i].charAt(0).toUpperCase() + str[i].slice(1);

}

return str.join(' ');

}

console.log(def(str));

1. Sum of all numbers in an array

Arrow Function:

var a=[10,20,30,40,50,60];

var sum=0;

let ab=(a)=>

{

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

{

sum=sum+a[i];

}

return sum;

}

console.log(ab(a));

1. Return all the prime numbers in an array

Arrow Function:

let n=34;

let l=(n)=>

{

for(let i=2; i<=n; i++)

{

let flag=0;

for(let j=2; j<i; j++)

{

if(i%j==0)

{

flag=1;

break;

}

}

if(flag==0)

{

console.log(i);

}

}

}

console.log(l(n));

1. Return all the palindromes in an array

Arrow Function:

const palin=()=>{

var a=["madam","teacher"]

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

{

var b=a[i].split("").reverse().join("")

if(a[i]==b)

console.log(a[i])

}}

palin()