**Programs in arrow functions**

1. Print odd numbers in an array

let userInput = [1,2,3,4,5,6,7,8,9,10];

let a = (b) => {

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

{

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

{

console.log(b[i])

}

}

}

return a(userInput)

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

let a = ["he is king", "she is queen", "this is their kingdom"];

let c = b => {

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

let words = b[i].toLowerCase().split(" ");

for (let j = 0; j < words.length; j++) {

words[j] = words[j][0].toUpperCase() + words[j].slice(1);

}

b[i] = words.join(" ");

}

console.log(b)

}

return c(a)

1. Sum of all numbers in an array

let userInput = [1,2,3,4,5,6,7,8,9,10];

let a = b => {

let sum = 0

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

{

sum = sum + userInput[i]

}

console.log(sum)

}

return a(userInput)

1. Return all the prime numbers in an array

let array = [1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20];

let d = a =>{

let result = [];

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

let isPrime = true;

if (a[i] === 1) {

isPrime = false;

}

for (let j = 2; j < a[i]; j++) {

if (a[i] % j === 0) {

isPrime = false;

break;

}

}

if (isPrime == true) {

result.push(a[i]);

}

}

console.log(result)

}

return d(array)

1. Return all the palindromes in an array

let a = ["hello","racecar","nun","civic","queen"];

let d = yes =>{

let palindrome = [];

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

{

let correctword = yes[i].split("").reverse().join("")

if(correctword === yes[i])

{

palindrome.push(yes[i])

}

}

console.log(palindrome)

}

return d(a)