Day 5 Assignment

Q1)

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ANonymous Function

 var arr = [1,2,3,4,5,6,7,8]

 var odd =function(){

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

         return arr[i] % 2 !==  0 ;

     }

     console.log(arr[i]);

 };

console.log(odd());

var arr = ['mandar','anish','rishi']

var UpperCaps = function(){

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

         return arr[i].toUpperCase()

    }

}

console.log(UpperCaps());

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

let sum = 0 ;

var Addnum = function(){

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

     sum += arr[i] ;

console.log(sum)

}

console.log(sum)

}

console.log(Addnum())

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

let i ;

var prime = function(){

    for(let i=2;i<=arr.length;i++){

        if(arr[i] % 2 === 0){

            return arr>1

        }

    console.log(arr[i])

    }

}

console.log(prime());

Palindrome

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

let n = arr.length;

const palindrome = function(arr,n){

    let flag = 0;

    for (let i = 0; i <= n / 2 && n != 0; i++) {

        if (arr[i] != arr[n - i - 1]) {

            flag = 1;

            break;

}

    }

}

console.log(palindrome());

Return median of two sorted arrays of same size

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

var n = arr.length;

const removeduplicates = function(){

    if(n==0 || n==1)

    return n;

    var j =0 ;

    for (i = 0; i < n - 1; i++)

            if (arr[i] != arr[i + 1])

                arr[j++] = arr[i];

        arr[j++] = arr[n - 1];

        return j;

}

console.log(removeduplicates());

rotate k times

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

let k  = 2;

const rotate = function(arr,k){

    for(let i = 0 ; i<k;i++){

        let temp = arr[0];

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

            arr[i] = arr[i+1];

        }

     arr[arr.lenght-1] =temp

    }

    return arr;

}

console.log(rotate(arr,k))

// Arrow Functions

 var arr = [1,2,3,4,5,6,7,8]

 const odd = ( ) =>{

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

         return arr[i] % 2 !==  0 ;

     }

     console.log(arr[i]);

 };

console.log(odd());

var arr = ['mandar','anish','rishi']

const UpperCaps = ()=>{

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

         return arr[i].toUpperCase()

    }

}

console.log(UpperCaps());

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

let sum = 0 ;

const Addnum = ( )=>{

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

     sum += arr[i] ;

// console.log(sum)

}

console.log(sum)

}

console.log(Addnum())

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

let i ;

const prime = ()=>{

    for(let i=2;i<=arr.length;i++){

        if(arr[i] % 2 === 0){

            return arr>1

        }

    console.log(arr[i])

    }

}

console.log(prime());

//Palindrome

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

let n = arr.length;

const palindrome = (arr,n)=>{

    let flag = 0;

    for (let i = 0; i <= n / 2 && n != 0; i++) {

        if (arr[i] != arr[n - i - 1]) {

            flag = 1;

            break;

}

    }

}

console.log(palindrome());

// Return median of twwo sorted arrays of same size

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

var n = arr.length;

const removeduplicates = () =>{

    if(n==0 || n==1)

    return n;

    var j =0 ;

    for (i = 0; i < n - 1; i++)

            if (arr[i] != arr[i + 1])

                arr[j++] = arr[i];

        arr[j++] = arr[n - 1];

        return j;

}

console.log(removeduplicates());

// rotate k times

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

let k  = 2;

const rotate = ()=>{

    for(let i = 0 ; i<k;i++){

        let temp = arr[0];

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

            arr[i] = arr[i+1];

        }

     arr[arr.lenght-1] =temp

    }

    return arr;

}

console.log(rotate(arr,k))