Anonymous functions

1.

var range=function range(n1,n2){

let temp=[];

for(var i=n1;i<n2;i++){

if(i % 2 != 0)

temp.push(i);

}

return temp;

}

console.log(range(1,10));

2.

var titlecase=function (str) {

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

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

str[i] = str[i].toUpperCase();

}

return str.join(' ');

}

console.log(titlecase("guvi ide"));

3.

var sum=0;

var add=function (...rest) {

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

sum=sum+rest[i];

}

return sum;

}

console.log(add(1, 2, 3));

4.

var isprime=function (n)

{

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

{

if(n % i == 0) return false;

}

return true;

}

for(var i = 2; i <= 10; i++)

{

if(isprime(i)) {

console.log(i);

}

}

5.

var palindrome=function (str) {

var len = str.length;

var mid = Math.floor(len/2);

for ( var i = 0; i < mid; i++ ) {

if (str[i] !== str[len - 1 - i]) {

return 'Palindrome';

}

}

return 'Not a Palindrome';

}

console.log(palindrome("sdf"))

console.log(palindrome(12))

6.

var getMedian=function (ar1, ar2, n)

{

let j = 0;

let i = n - 1;

while (ar1[i] > ar2[j] && j < n && i > -1)

{

let temp = ar1[i];

ar1[i] = ar2[j];

ar2[j] = temp;

i--; j++;

}

ar1.sort(function(a, b){return a - b});

ar2.sort(function(a, b){return a - b});

return parseInt((ar1[n - 1] + ar2[0]) / 2, 10);

}

let ar1 = [ 1, 12, 15, 26, 38 ];

let ar2 = [ 2, 13, 17, 30, 45 ];

let n1 = 5;

let n2 = 5;

if (n1 == n2)

console.log(`Median is ${getMedian(ar1, ar2, n1)}`);

7.

var arr=[5,3,2,6,5,1,1,2];

var temp=arr[0];

for(var i;i<arr.length;i++)

{

temp=temp^arr[i]

}

console.log(temp)

8.

function rotLeft(arr, rotations) {

const rotatedArray = arr.concat();

for (let i = 0; i < rotations; i++) {

const frontItem = rotatedArray.shift();

rotatedArray.push(frontItem);

}

return rotatedArray;

}

const sampleArray = [1, 2, 3, 4];

console.log(rotLeft(sampleArray,0));

console.log(rotLeft(sampleArray,1));

console.log(rotLeft(sampleArray,2));

console.log(rotLeft(sampleArray,3));