Do the below program in anonymous function:

1. Print odd numbers in an array?

ANS:

const readline=require("readline");

const inp=readline.createInterface({

input:process.stdin

});

const userInput=[];

inp.on("line",(data)=>{

userInput.push(data);

});

inp.on("close",()=>{

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

var result = function(){

var odd = [];

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

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

{

odd.push(num[i]);

}

} console.log(odd);

}

return result();

});

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

ANS:

const readline=require("readline");

const inp=readline.createInterface({

input:process.stdin

});

const userInput=[];

inp.on("line",(data)=>{

userInput.push(data);

});

inp.on("close",()=>{

var titlecap=function(value) {

var cont = value.toLowerCase().split(" ");

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

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

}

console.log(cont.join(" "));

}

titlecap("hi i am new to coding");

});

3.sum of all numbers in a array:

ANS:

const readline=require("readline");

const inp=readline.createInterface({

input:process.stdin

});

const userInput=[];

inp.on("line",(data)=>{

userInput.push(data);

});

inp.on("close",()=>{

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

var result = function(){

var sum =0;

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

sum = sum+num[i];

}console.log(sum);

}

return result();

});

1. Return median of two sorted arrays of same size:

ANS:

const readline = require("readline");

const inp = readline.createInterface({

input: process.stdin

});

const userInput = [];

inp.on("line", (data) => {

userInput.push(data);

});

inp.on("close", () => {

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

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

var result = function(){

var conArr = [];

if(ar1.length === ar2.length)

{

for(i=0;i<ar1.length;i++)

{

conArr.push(ar1[i]);

conArr.push(ar2[i]);

}

}

else{

console.log(" not a Same Size array");

}

var a = conArr.length/2;

var b = a-1;

var sum = (conArr[a]+conArr[b])/2;

console.log(sum);

}

result(ar1,ar2);

});

1. Remove duplicates from an array:

ANS

const readline = require("readline");

const inp = readline.createInterface({

input: process.stdin

});

const userInput = [];

inp.on("line", (data) => {

userInput.push(data);

});

inp.on("close", () => {

var ar1 = [1,12,15,26,38,15,16,38];

var remDuplicate=function(){

let uniqueChars = [...new Set(ar1)];

console.log(uniqueChars);

}

remDuplicate(ar1);

});

1. Return all the palindromes in an array:

ANS

var words = ['foo', 'racecar', 'pineapple', 'porcupine', 'pineenip'];

var palindrome = function(){

var arr = [];

var pal = words.toString().split("").reverse().join("").split(",");

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

  for (let k = 0; k < pal.length; k++) {

    if (words[i] == pal[k]) {

      arr.push(words[i])

    }

  }

}console.log(arr);

}

 palindrome(words);

1. Return all the prime numbers in an array:

ANS:

var prime = function() {

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

if(n % i === 0)

return false;

}

return n > 1;

}

const array = [1,2,3,4,5,6,7,8,9,10,11,12,13];

prime(n);

1. Rotate an array by K times and return the rotated value:

ANS:

var num = [1,2,3,4,5,6,7,8];

var rotate = function(num,k){

var arr = [];

var iPush = (num.length-1) - k;

var res = num.slice(0,(iPush+1));

for(var i=num.length-1;i>iPush;i--)

{

arr.push(num[i]);

}

for(var j=0;j<res.length;j++)

{

arr.push(res[j]);

}

console.log(arr);

}

rotate(num,3);