//Print odd numbers in an array using anonymous

// let oddNumber=function(){

// let number = [1,2,3,4,5,6,7,8,9]

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

//     if (i%2==0)

//     console.log(number[i])

// }}

// oddNumber()

//Print odd numbers in an array using IIF

// (function(){

//       let number = [1,2,3,4,5,6,7,8,9]

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

//       if (i%2==0)

//  console.log(number[i])

// }})();

//Convert all the strings to title caps in a string array

// let text = function(a){

//   let b = a.split(" ");

//   for(let i=0; i<b.length;i++)

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

//   console.log(b.join(" "));

// }

// text("hai im dhamodharan")

//in iif method

// (function(a){

//        let b = a.split(" ");

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

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

//        console.log(b.join(" "))})("hai im dhamodharan")

//Sum of all numbers in an array using anonymous

// let sum = function(){

//     let number =[1,2,8,9,6,4,7,89]

//     let a = 0;

//  for (let i=0;i<number.length;i++)

//      a = a +number[i]

//      console.log(a);

// }

// sum()

//Sum of all numbers in an array using IIF

// (function(){

//     let number =[1,2,8,9,6,4,7,89];

//     let result = number.reduce((a,b)=>a+b);

//     console.log(result);

// })();

//Return all the palindromes in an array using anonymous function

// let palindromes = function(text){

//     let task = text.toString().split("").reverse().join("").split(",");

//     let result = text.filter(val=>task.includes(val));

//     let result2 = text.filter(val=>!task.includes(val));

//      console.log("Palindroms in given array ",result);

//      console.log("Non Palindroms in given array ",result2);

// }

// palindromes(["dhamu","did","level","racecar","level"])

//Return all the palindromes in an array using IIF

// ( function(text){

//     let task = text.toString().split("").reverse().join("").split(",");

//     let result = text.filter(val=>task.includes(val));

//     let result2 = text.filter(val=>!task.includes(val));

//      console.log("Palindroms in given array ",result);

//      console.log("Non Palindroms in given array ",result2);

// })(["dhamu","did","level","racecar","level"])

// Median of two shorted array using anonymous function

// let medianNumber = function(ar1,ar2){

//     let result = ar1.concat(ar2).sort((a,b)=>a-b);

//     let ans = result.filter(val=>val>=0)

//     console.log(ans[0]);

// }

// medianNumber([5,2,9,7],[-12, ,1,-10,])

// Median of two shorted array using IIF method

// (function(ar1,ar2){

//     let result = ar1.concat(ar2).sort((a,b)=>a-b);

//     let ans = result.filter(val=>val>=0)

//     console.log(ans[0])})([5,2,9,7],[-12, ,0,-10,]);

//Remove duplicates from an array using anonymous function.

//  let duplicates = function(chars){

//     let result = chars.filter((a,b)=>chars.indexOf(a)==b);

//     console.log(result);

//  }

//  duplicates(['A', 'B', 'A', "1","1",'C', 'B']);

//Remove duplicates from an array using IIF.

//  (function(chars){

//     let result = chars.filter((a,b)=>chars.indexOf(a)==b);

//     console.log(result);

//  })(['A', 'B', 'A', "1","1",'C', 'B']);

//Rotate an array by k times using anonymous function

// let rotate = function (k){

//  let array =  [ 1, 2, 3, 4, 5, 6, 7, 8, 9];

//  let num = array.splice(0,k);

//  array.push(num);

//  console.log(array.toString());

// }

// rotate(3);

//Rotate an array by k times using IIF

// (function (k){

//     let array =  [ 1, 2, 3, 4, 5, 6, 7, 8, 9];

//     let num = array.splice(0,k);

//     array.push(num);

//     console.log(array.toString());

//    })(1)

// Print odd numbers in an array

// let array =  [ 1, 2, 3, 4, 5, 6, 7, 8, 9]

// let odd =array.filter(val=>array.indexOf(val)%2==0);

// console.log(odd);

//Convert all the strings to title caps in a string array

// let text = "hai im dhamodharan"

// let result = ()=>{

//     let ans = text.split("").join("").charAt(0).toUpperCase()+text.slice(1)

//     console.log(ans);

// }

// result()

//Sum of all numbers in an array

// let array =  [ 1, 2, 3, 4, 5, 6, 7, 8, 9];

// let sum = array.reduce((a,b)=>a+b,0);

// console.log(sum);

//Return all the palindromes in an array

let array =  [ "dhamu","madam","level","dharani"];

let palindromes = ()=>{

    let array2 = array.toString().split("").reverse().join("").split(",")

    let result  = array2.filter(val=>array.includes(val))

    console.log(array);

    console.log(result);

}

palindromes();