Function solve(input){  
  
 let firstD=0;  
 let secondD=0;  
 let firstI=0;  
 let secondI=input[0].length-1;  
  
 input.forEach(row=>{  
 ***console***.log(row.join(' '));  
 });  
  
 input.forEach(array=>{  
  
 firstD+=array[firstI++];  
 secondD+=array[secondI--];  
  
 });  
  
 ***console***.log(firstD,secondD);  
  
 **}solve([[4,5,6],[6,5,4],[5,5,5]]);**

**Diagonal sum na matricite THE EASIEST**

function diagonalSums(matrix) {  
  
 let mainSum = 0, secondarySum = 0;  
 for (let row = 0; row < matrix.length; row++) {  
 mainSum += matrix[row][row];  
 secondarySum += matrix[row][matrix.length - row - 1];  
 }  
 ***console***.log(mainSum + ' ' + secondarySum);  
}  
  
diagonalSums([[20, 40], [10, 60]]);

Da syberem nae din red wsichi numbers

function solve(input){  
  
 let result=input  
 .reduce((x,y)=> x+y)  
  
  
 ***console***.log(result);  
  
}solve([10, 15, 20, 25]);

da napisha zad na 2 reda

function solve(input){  
  
 let result=input  
 .filter((x,i)=> i%2!==0 )  
 .map(x=> x\*2 )  
 .reverse()  
 .join(' ');  
  
 ***console***.log(result)  
  
}solve([10, 15, 20, 25]);

The biggest number of matrix

function solve(input){  
  
 let array=[];  
 for(let row of input){  
  
 for(let numbers of row){  
  
 array.push(numbers);  
  
 }  
  
 }  
  
 ***console***.log(array);  
  
 let sorted=array.sort(biggest);  
  
 ***console***.log(sorted);  
  
 let result=sorted.shift();  
 ***console***.log(`The biggest number is ${result} `)  
  
  
 function biggest(a,b) {  
  
 return b-a;  
  
 }  
  
  
}solve([[3, 5, 7, 12],  
 [-1, 4, 33, 2],  
 [8, 3, 0, 4]]);

**da namerq w matrix suseda rawni stojnosti**

function equalNeighborsCount(matrix) {  
 let neighbors = 0;  
 for(let row=0;row<matrix.length;row++){  
  
 for(let col=0;col<matrix[row].length-1;col++){  
 if(row<matrix.length-1){  
 if(matrix[row][col]===matrix[row+1][col]){  
 neighbors++;  
 }  
 }  
 if(col<matrix[row].length){  
 if(matrix[row][col]===matrix[row][col+1]) {  
 neighbors++;  
 }  
 }  
 }  
 }  
 ***console***.log(neighbors);  
}  
equalNeighborsCount([['2', '3', '4', '7', '0'],  
 ['4', '0', '5', '3', '4'],  
 ['2', '3', '5', '4', '2'],  
 ['9', '8', '7', '5', '4']]  
);

da podredq dumite w array spored dylvinata na elementite

function solve(input){  
  
  
 let sortingByLength=input.sort(sortingLength);  
  
  
 ***console***.log(sortingByLength);  
  
 function sortingLength(current,next) {  
  
 if(current.length>next.length){  
 return 1;  
  
 }else if(current.length===next.length){  
 return 0;  
 }else{  
 return -1;  
 }  
  
 }  
   
  
}solve(['Isacc',  
 'Theodor',  
 'Jack',  
 'Harrison',  
 'George']);

**symata na reda I kolnata w matrix**

function solve(input){  
  
 let sumOfRow=0;  
  
 let sumOfCol=0;  
  
 for(let row=0;row<input.length;row++){  
  
 for(let col=0;col<input[row].length;col++){  
  
 sumOfRow+=input[row][col];  
  
 }  
  
 for(let col=0;col<input.length;col++){  
 sumOfCol+=input[col][row];  
 }  
  
  
 if(sumOfRow!==sumOfCol){  
 ***console***.log(false);  
 }else if(sumOfRow===sumOfCol){  
 ***console***.log(true);  
 break;  
 }  
  
 }  
  
 ***console***.log(sumOfCol);  
 ***console***.log(sumOfRow);  
  
}solve([[4, 5, 6],  
 [6, 5, 4],  
 [5, 5, 5]]);

**Da namerq rawnite elementi w masiva**

function solve(input){  
  
 for(let i=0;i<input.length;i++){  
  
 for(let j=i+1;j<input.length;j++){  
  
 if(input[i]===input[j]){  
  
 ***console***.log(input[j]);  
  
 }  
  
 }  
  
 }  
  
 }solve([20, 30, 25, 35, -16, 20, -100]);

**da namerq obshtite elementi w masiwite**

function solve(input,array){  
  
 for(let i=0;i<input.length;i++){  
  
 for(let j=0;j<array.length;j++){  
  
  
 if(input[i]===array[j]){  
  
 ***console***.log(array[j]);  
 }  
  
 }  
  
  
 }  
  
  
 }solve([20, 30, 25, 35, -16, 30, -100],[-16, 20, -100]);

Dali ima specific eleemnts v masiwa

function solve(array,specific1,specific2){  
   
 if(array.includes(specific1) && array.includes(specific2) ){  
 ***console***.log(true);  
 }else {  
 ***console***.log(false);  
 }  
   
  
 }solve([2, 3, 4, 8, 10, 16],65,77);

Write a Java program to remove the duplicate elements of a given array and return the new length of the array.

function solve(array){  
  
 for(let i=0;i<array.length;i++){  
  
 for (let j=2;j<array.length;j++){  
  
 if(array[i]===array[j+1]){  
 array.pop();  
 }  
  
 }  
 }  
  
 ***console***.log(array);  
  
 }solve([ 20, 30, 40, 50, 50, 50,20]);