function solve(string){  
  
 let str = 'The Quick Brown Fox';  
 let UPPER = 'ABCDEFGHIJKLMNOPQRSTUVWXYZ';  
 let LOWER = 'abcdefghijklmnopqrstuvwxyz';  
 let result = [];  
  
 for(let i=0;i<str.length;i++){  
  
 if(UPPER.indexOf(str[i]) !==-1){  
  
 result.push(str[i].toLowerCase());  
 }else if (LOWER.indexOf(str[i])!==-1){  
 result.push(str[i].toUpperCase());  
 } else{  
 result.push(str[i]);  
 }  
  
 }  
 ***console***.log(result.join(''));  
   
}solve('The Quick Brown Fox' );

**golemi malki bykwi**

function solve(numbers){  
  
 let result=[];  
  
 for(let number of numbers){  
  
 if(number%2===0){  
 result.push('-',number);  
 }else if(number%2!==0){  
 result.push('+',number);  
 }  
  
 }  
 ***console***.log(result);  
  
  
}solve('025468')

function solve(array){  
  
  
 for(let i in array){  
 ***console***.log("row "+i);  
  
 for(let j in array[i]){  
 ***console***.log(" "+array[i][j]);  
 }  
  
 }  
  
}solve([[1, 2, 1, 24], [8, 11, 9, 4], [7, 0, 7, 27], [7, 4, 28, 14], [3, 10, 26, 7]]);

**razburkwane na masiw**

function solve(array){  
  
 let reversed=array.length,index,temp;  
  
 while(reversed>0){  
  
 index=***Math***.floor(***Math***.random()\*reversed);  
  
 reversed--;  
  
 temp=array[reversed];  
 array[reversed]=array[index];  
 array[index]=temp;  
   
  
 }  
 return array;  
  
} ***console***.log(solve([1,2,3,4,5,6,7,8]));

**subirane na masiw s razlichni stoinosti**

function solve(array,arr){  
  
 let result=[];  
 let number=0;  
  
  
 while(number<array.length && number<arr.length){  
 result.push(array[number]+arr[number]);  
 number++;  
 }  
  
 if(number===array.length) {  
  
 for (let i = number; i < arr.length; i++) {  
 result.push(arr[number]);  
 }  
 }else{  
 for (let i=number;i<array.length;i++){  
 result.push(array[number]);  
 }  
  
 }  
  
 ***console***.log(result);  
  
}solve([10,2,4,5,7,2,89],[4,53,6,2,21,5,63,6543])

**masivi s ednakwi swtoinosti**

let ***array*** = [1, 2, 2, 3, 3, 4, 5, 6, 2, 3, 7, 8, 5, 22, 1, 2, 511, 12, 50, 22];  
let ***arr***=[1,2,54,23,35234,345,324,23,22];  
  
  
  
***console***.log((***array***.filter((value, index, self) => self.indexOf(value) !== index)));  
   
 ***console***.log(***arr***.filter((value,index,self) =>self.indexOf(value)!==index));

**da obedinish dva masiva**

function solve(x,y){  
  
 let result=[];  
  
 for(let i=x.length-1;i>=0;--i){  
 result[x[i]]=x[i];  
 }  
 for(let i=y.length-1;i>=0;--i){  
 result[y[i]]=y[i];  
 }  
  
 let result1=[];  
 for(let m in result){  
 result1.push(result[m]);  
 }  
  
 ***console***.log(result1);  
  
  
  
}solve([1,2,5,63,24],[34,545,234,12,532,2,4,6,9]);

**let firstArray = [1,2,3,'Shinchan']**

**let secondArray = ['Nohara',4,5,6]**

**let combinedArray1 = firstArray.concat(secondArray)**

**let combinedArray2 = secondArray.concat(firstArray)**

**console.log(`Combined Array1 = `+combinedArray1)**

**// Combined Array1 = 1,2,3,Shinchan,Nohara,4,5,6**

**console.log(`Combined Array2 = `+combinedArray2)**

**//Combined Array2= Nohara,4,5,6,1,2,3,Shinchan**

**Razburkwam masiw I go subiram s drug**

function solve(array){  
  
 let reversed=array.length,index,temp;  
  
  
 while(reversed>0) {  
  
  
 index = ***Math***.floor(***Math***.random() \* reversed);  
  
 reversed--;  
  
 temp = array[reversed];  
 array[reversed] = array[index];  
 array[index] = temp;  
 }  
 ***console***.log(array);  
  
  
 let arr=[4,5,23,2,5,8,6,56,65];  
  
 let result=[];  
 let num=0;  
  
 while(num<array.length && num<arr.length){  
 result.push(array[num]+arr[num]);  
 num++;  
 }  
  
 if(num===array.length) {  
  
 for (let i = num; i < array.length; i++) {  
 result.push(array[num]);  
 }  
 }else{  
 for(let i=num;i<arr.length;i++){  
 result.push(arr[num]);  
 }  
 }  
  
 ***console***.log(result);  
  
}solve([1,2,4,5,6,9,10,12]);

**\**

**Winagi po glemiqt masiw po duljina e pyrwi for loop**

function solve(array,arr){  
  
 let sorted=(a,b)=>{  
 return b-a;  
 }  
  
 array.sort(sorted);  
 ***console***.log(array);  
  
  
 let sortedTwo=(x,y)=>{  
 return x-y;  
 }  
  
 arr.sort(sortedTwo);  
 ***console***.log(arr);  
  
  
 let result=[];  
 let number=0;  
  
  
 while(number<array.length && number<arr.length){  
 result.push(array[number]-arr[number]);  
 number++  
 }  
  
 if(number===array.length){  
 for (let i=number;i<arr.length;i++){  
 result.push(arr[number]);  
 }  
 } else{  
 for(let i=number;i<array.length;i++){  
 result.push(array[number]);  
 }  
 }  
  
 ***console***.log(result);  
  
}solve([2,1,10,5,45,32,54,21],[22,1,100,324,35,78,16])

**obedinawash dwa masiwa s kato sa pod obsht input**

function solve(array){  
  
 let result=[];  
  
 result=array.toString().split(',').map(***Number***);  
 ***console***.log(result);  
  
  
}solve([[1, 2, 3], [100, 2, 1, 10]]);

**da namrish razlikata na chislata w masiwite**

function differenceOf2Arrays (array1, array2) {  
 let result = [];  
 array1 = array1.toString().split(',').map(***Number***);  
 array2 = array2.toString().split(',').map(***Number***);  
  
 for (let i in array1) {  
 if(array2.indexOf(array1[i]) === -1) result.push(array1[i]);  
 }  
 for(let i in array2) {  
 if(array1.indexOf(array2[i]) === -1) result.push(array2[i]);  
 }  
 return result.sort((a,b) => a-b);  
}  
  
***console***.log(differenceOf2Arrays([1, 2, 3], [100, 2, 1, 10]));

**Podrejdash masiwi**

function solve(array){  
  
  
 function compare(x,y){  
 if(x.title<y.title) {  
 return -1;  
 }else if(x.title>y.title){  
 return +1;  
 }else{  
 return 0;  
 }  
 }  
  
 ***console***.log(array.sort(compare));  
  
}solve([  
 { author: 'Bill Gates', title: 'The Road Ahead', libraryID: 1254},  
 { author: 'Steve Jobs', title: 'Walter Isaacson', libraryID: 4264},  
 { author: 'Suzanne Collins', title: 'Mockingjay: The Final Book of The

Hunger Games', libraryID: 3245}

**["a", "c", "e", "g", "i", "k", "m", "o", "q", "s", "u", "w", "y"]**

**Asci table**

function solve(string,stringEnd,number){  
  
 let result=[];  
  
 for(let i=97;i<=122;i++){  
  
 if(i%2!==0) {  
  
 let element=***String***.fromCharCode(i);  
 result.push(element);  
  
 }  
  
 }  
 ***console***.log(result);  
  
  
}solve('a','z',2);

\

function solve(){  
  
 let result=[];  
  
 for(let i=65;i<=90;i++){  
  
 if(i%2!==0){  
 let element=***String***.fromCharCode(i);  
 result.push(element);  
 }  
  
 }  
 ***console***.log(result);  
  
}solve();

**da go obedinish I razburkash masiw**

function solve(array,arr){  
  
 let result=[];  
  
 for(let i=array.length-1;i>=0;--i){  
 result[array[i]]=array[i];  
 }  
  
 for(let i=arr.length-1;i>=0;--i){  
 result[arr[i]]=arr[i];  
 }  
  
 let result1=[];  
 for(let m in result){  
 result1.push(result[m]);  
 }  
 ***console***.log(result1);  
  
  
 let end=result1.length,index,temp;  
  
 while(end>0) {  
 index = ***Math***.floor(***Math***.random() \* end);  
 end--;  
  
  
 temp = result1[end];  
 result1[end] = result1[index];  
 result1[index] = temp;  
 }  
 ***console***.log(result1);  
  
}solve([1, 2, 3],[2, 30, 1]);

**da mahnesh element ot masiw**

function solve(array,n){  
  
 let result=[];  
  
 result=array.filter(deleted)  
  
 function deleted(element){  
 return element!==n;  
 }  
 ***console***.log(result);  
  
  
}solve([2,5,9,6],5);

function solve(array,n){  
  
 let result=[];  
  
 result=array.filter((element)=>element!==n);  
 ***console***.log(result);  
  
}solve([2,5,9,6],5);

**ot dwa masiwa da mahnesh tiq deto ne se powtarqt**

function solve(array,arr){  
  
 let result=[];  
  
  
 result=array.filter((element)=>!arr.includes(element));  
 ***console***.log(result);  
  
  
}solve([1, 2, 3, 4, 5, 3],[2, 3, 5]);

**da sortirash masiw I da mahnesh nqakwo chislo koeto iskash**

function solve(array,n){  
  
 let result;  
 result=array.sort((a,b)=>a-b);  
 ***console***.log(result);  
  
 let end;  
 end=result[result.length-n];  
***console***.log(end);  
  
}solve([ 43, 56, 23, 89, 88, 90, 99, 652], 4);

function solve(array,specialNumber){  
  
 let sorted=array.sort((a,b)=>b-a);  
 ***console***.log(sorted);  
  
  
 let resultNumber;  
  
 resultNumber=sorted[sorted.length-specialNumber];  
 ***console***.log(resultNumber);  
  
  
}solve([200,23,54,5,234,435,3,5,4,5,8,768,323],6);

**da vzema sluchaen element ot masiwa**

function solve(array){  
  
 let result;  
  
 result=***Math***.floor(***Math***.random()\*array.length);  
 ***console***.log(result);  
  
  
}solve([1,3,434,5,35,5,42332,43])

function solve(array){  
  
 let sorted=array.sort((a,b)=>b-a);  
 ***console***.log(sorted);  
  
 let takeRandomNumber;  
  
 takeRandomNumber=***Math***.floor(***Math***.random()\*array.length);  
 ***console***.log(takeRandomNumber);  
  
  
}solve([2,434,432,4,324,23,524,4,34,4234,34]);

**da suszadesh masiw s chisla**

function solve(createNumber,arrayNumber){  
  
 let result=[];  
  
 for(let i=0;i<createNumber;i++){  
  
 result.push(arrayNumber);  
  
 }  
  
  
 ***console***.log(result);  
  
  
}solve(20,5);

function solve(number,string){  
  
 let result=[];  
  
 for(let i=0;i<number;i++){  
  
 result.push(string);  
  
 }  
  
 ***console***.log(result);  
  
} solve(4,'password');

**da naprawish masiw s chisla**

function solve(x,y){  
  
 let result=[];  
 for(let i=0;i<y;i++,x++){  
 result.push(x);  
 }  
  
 ***console***.log(result);  
  
}solve(1,4)

**da generirash dwe chisla**

function solve(x,y){  
  
 let result=[];  
  
 for(let i=x;i<=y;i++){  
 result.push(i)  
 }  
  
 ***console***.log(result);  
  
}solve(4,7);

function solve(x,y){  
  
 let result=[];  
  
 for(let i=x;i<=y;i++){  
 result.push(i);  
 }  
 ***console***.log(result);  
  
  
}solve(2,9);

da razmenish stoinostite na dwa chisla w masiwa

function solve(array){  
  
  
  
 [array[1],array[3]]=[array[3],array[1]];  
  
  
 ***console***.log(array);

da namalish wsichki stojnosti na masiwa

let result=[];  
 for(let i=0;i<array.length;i++){  
 let element=array[i]-1;  
 result.push(element)  
 }