// Ejercicio 1 //

const arr = ["This", "is", "a", "sentence."];

let sentence = ""

function printOutString(word){

sentence = sentence + word + " ";

}

arr.forEach(printOutString);

console.log(sentence);

// Ejercicio 2 //

const nameArray2 = [1,2,4,5];

const answerArray = [];

function multiplicar(num) {

answerArray.push(num \* 2);

}

nameArray2.forEach(multiplicar);

console.log(answerArray);

// Ejercicio 3 //

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

let sum = 0;

let product = 1;

function sumAndProduct(value) {

sum = sum + value;

product = product \* value;

}

arrayOriginal.forEach(sumAndProduct);

console.log("la suma es:",sum);

console.log("El producto es:",product);

// Ejercicio 4//

let student1Courses = ['Matematicas', 'Inglés', 'Programación'];

let student2Courses = ['Geografia', 'Español', 'Programación'];

for (let i = 0; i<student1Courses.length; i++){

for (let j=0; j<=student2Courses.length; j++){

if(student1Courses[i]==student2Courses[j]){

console.log("El curso comun es:",student1Courses[i])

}

}

}

// ejercicio 5//

let people = ["Maria", "Dani", "Luis", "Juan", "Camila"];

people.splice(1,1);

console.log(people);

people[people.length] = "Sandra";

console.log(people);

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

console.log(people[0] + " exit from the loop");

}