// Part 1 code.

console.log("part 1.1");

for (i=0; i<=20; i++) {

console.log(i);

}

console.log("part 1.2");

for (i=3; i<=29; i++) {

if (i%2!==0) {

console.log(i);

}

}

console.log("part 1.3");

for (i=12; i>=-14; i--) {

if (i%2===0){

console.log(i);

}

}

console.log("part 1.4");

for (i=50; i>=20; i--) {

if (i%3===0) {

console.log(i);

}

}

// Part 2 code.

console.log("part 2.1");

let stringLaunchCode = "LaunchCode";

let array1 = [1, 5, 'LC101', 'blue', 42];

for (i=0; i<array1.length; i++) {

console.log(array1[i]);

}

console.log("part 2.2");

let reversed = "";

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

reversed = stringLaunchCode[i] + reversed;

}

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

console.log(reversed[i]);

}

// Part 3 code.

console.log("part 3.1");

let firstArray = [2, 3, 13, 18, -5, 38, -10, 11, 0, 104];

let evens = [];

let odds = [];

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

if (firstArray[i]%2 === 0) {

evens.push(firstArray[i]);

} else {

odds.push(firstArray[i]);

}

}

console.log(evens);

console.log(odds);