Assignment 3

1. Remove duplicates

let inputArray = [10,20,30,40,40,40];

let uniqueArray = [];

for (let item of inputArray) {

if (!uniqueArray.includes(item)) {

uniqueArray.push(item);

}

}

console.log(uniqueArray);

2.Thrice Repeat

var inputArray = [10,10,10,20,20,20,30];

var elementCount = {};

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

var element = inputArray[i];

if(element in elementCount){

elementCount[element]=elementCount[element]+1

}else{

elementCount[element]=1

}

}

var result = [];

for (var key in elementCount) {

if (elementCount[key] === 3) {

result.push(parseInt(key));

}

}

3.Pyramid

let n=prompt("Value for n is : ");

n=parseInt(n);

for (let i = 1; i <= n; i++) {

let row = '';

for (let j = 1; j <= i; j++) {

row += 11\*j + ' ';

}

console.log(row);

}

4.Find only even values

const na = 9876544;

const nStr = na.toString();

let evenDigits = "";

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

const digit = parseInt(nStr[i]);

if (digit % 2 === 0) {

evenDigits += digit.toString();

}

}

const result = parseInt(evenDigits);

console.log(result);

5.Find the Students based on USN

let studentObject=[

{

name:"Adam",

usn:10,

fees:1000,

marks:100

},

{

name:"Harry",

usn:11,

fees:2000,

marks:200

},

{

name:"Henry",

usn:12,

fees:3000,

marks:300

}

]

var usn=prompt("Enter the usn :");

usn=parseInt(usn);

for(let element of studentObject){

if(element.usn===usn){

console.log(element)

}

}