// Create multiply, division, subtraction function with arrow function/fat arrow

const multi = (num1, num2) => num1 \* num2;

const div = (num1, num2) => num1 / num2;

const substract = (num1, num2) => num1 - num2;

console.log(multi(2, 3));

// Create a employee object and display its data in console (for...in).

const employee = {

name: "Eunice",

age: "18",

gender: "female",

};

for (const property in employee) {

console.log(`${property}: ${employee[property]}`);

}

// Use Array helper functions

// Check if all the property values(firstName) in an array of object is same or not

// array of object

// [{

// firstName: 'alina',

// id: 1,

// age: 14

// }, {

// firstName: 'harry',

// id: 2,

// age: 15

// }, {

// firstName: 'alex',

// id: 3,

// age: 16

// }]

const friends = [

{

firstName: "alina",

id: 1,

age: 14,

},

{

firstName: "harry",

id: 2,

age: 15,

},

{

firstName: "alex",

id: 3,

age: 16,

},

];

const haveFirstName = friends.map((obj) => {

console.log(obj.firstName);

return obj;

});

// Get the value of the first element in an array that has value greater than 20

const arr1 = [1, 6, 15, 23, 54, 70];

const findVal = arr1.find((e) => {

return e > 20;

});

console.log(findVal);

// Get the value of the first element in an array that has value less than 20

const arr2 = [1, 6, 15, 23, 54, 70];

const findVal1 = arr1.find((e) => {

return e < 20;

});

console.log(findVal1);

// Filter data based on a id(property) in an array of objects: pick any random id value

//using friends array

const result = friends.filter(function (ele) {

return ele.id == 3;

});

console.log(result);

// Round off all the decimal numbers in an array and sum all the values [9.8, 9.7, 4.5, 3.4]

var arr3 = [9.8, 9.7, 4.5, 3.4];

var sumVal = 0;

for (var i = 0; i < arr3.length; i++) {

sumVal += arr3[i];

}

console.log(Math.round(sumVal));

// Get all the person name based on age greater than and equal to 18, eligible to vote

// [{

// firstName: 'joe',

// age: 24

// }, {

// firstName: 'alina',

// age: 12

// },

// {

// firstName: 'alex',

// age: 20

// }]

const citizens = [

{

firstName: "joe",

age: 24,

},

{

firstName: "alina",

age: 12,

},

{

firstName: "alex",

age: 20,

},

];

const eligibleVote = citizens.filter(function (ele) {

return ele.age >= 18;

});

console.log(eligibleVote);

// Sum all the elements of an array [90, 89, 56, 45]

const arr4 = [90, 89, 56, 45];

let sumArr = 0;

for (var i = 0; i < arr4.length; i++) {

sumArr += arr4[i];

}

console.log(sumArr);

// Check element is odd or even in an array [90, 89, 56, 45]

const numbers = [90, 89, 56, 45];

const evenNum = numbers.filter((num) => num % 2 == 0);

console.log(evenNum);

const oddNum = numbers.filter((num) => num % 2 == 1);

console.log(oddNum);

// Sum of all the salaries and display final sum value

// [{

// salary: 56000,

// },

// {

// salary: 90000

// }]

const salaryAll = [

{

salary: 56000,

},

{

salary: 90000,

},

];

let sumSal = 0;

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

sumSal += salaryAll[j].salary;

}

console.log(sumSal);

// Concat all array elements ['red', 'pink', 'orange', 'red']: 'redpinkorangered'

const colors = ["red", "pink", "orange", "red"];

let text = colors.join("");

console.log(text);