**//1.**

**// Create an Array of Salaries, Now do the Sum of Salaries who is greater than 10000.**

**//Hint : reduce function**

// Sample array of salaries

const salaries = [15000, 12000, 8000, 11000, 9000, 13000, 9500, 10500, 14000, 7500];

// Declarative function to calculate the sum of salaries that are greater than 10000

const sumSalariesGreaterThan10000 = (salaries) => {

const filteredSalaries = salaries.filter(salary => salary > 10000);

const totalSum = filteredSalaries.reduce((acc, salary) => acc + salary, 0);

return totalSum;

};

// Calculate the sum of salaries greater than 10000

const totalSum = sumSalariesGreaterThan10000(salaries);

console.log("Total sum of salaries greater than 10000:", totalSum);

**//Q2**

**// Get the Max Salary from the above Array**

//Hint : reduce function

// Sample array of salaries

const salarie = [15000, 12000, 8000, 11000, 9000, 13000, 9500, 10500, 14000, 7500];

// Function to find the maximum salary using reduce

const findMaxSalary = (salaries) => {

return salaries.reduce((max, currentSalary) => {

return currentSalary > max ? currentSalary : max;

}, salaries[0]);

};

// Find the maximum salary

const maxSalary = findMaxSalary(salaries);

console.log("Maximum salary:", maxSalary);

**// Q3**

**//Count Those Salaries whose > 10000, note : don't use filter.**

**//Hint : reduce function**

// Sample array of salaries

const salarie2 = [15000, 12000, 8000, 11000, 9000, 13000, 9500, 10500, 14000, 7500];

// Function to count salaries greater than 10000 using reduce only

const countSalariesGreaterThan10000 = (salaries) => {

return salaries.reduce((count, currentSalary) => {

return currentSalary > 10000 ? count + 1 : count;

}, 0);

};

// Count salaries greater than 10000

const count = countSalariesGreaterThan10000(salaries);

console.log("Number of salaries greater than 10000:", count);