SQL Answer

1. Select \* from employees where gender = 'Male’;

2. Select \* from employees where between 49000 and 70000;

3. Select AVG(salary) from employee;

4. Select c.name, a.description, a.assigned\_to,a.assigned\_by from task a join users b on a.assignedBy = b.id join employee c on c.id == b.id

Coding Answers

1. public static void findSum() {

int[] numbers = [2, 5, 8, 10, 15, 12, 7, 3, 6];

int sum = 0;

for (int i = 0; i < numbers.Length; i++)

{

if (numbers[i] % 2 == 0 )

{

sum += numbers[i];

}

}

Console.WriteLine(sum);

}

2. public static void findSqrUnique()

{

int[] numbers = [2, 5, 8, 10, 15, 12, 7, 3, 6];

List<double> uniqueList = new List<double>();

double sum = 0;

for (int i = 0; i < numbers.Length; i++)

{

if (uniqueList.Contains(numbers[i])) {

continue;

}

else

{

uniqueList.Add(numbers[i]);

}

}

uniqueList.ForEach(uniqueNumber => sum += (uniqueNumber \* uniqueNumber));

uniqueList.ForEach(uniqueList => sum += uniqueList);

Console.WriteLine(sum);

}

3. Flatten and find longest string

var sum = 0;

var longestString = "";

var flattenData = data.flatMap(dataVal=> dataVal);

flattenData.map((data=> {

if(typeOf(dataVal) == "number"){

sum += dataVal

}

}))

flattenData.map((data=> {

if(data.length < longestString){

longestString = data;

}

}))