# Test

## In the code

The code is under <https://github.com/itamaredbmaestro/BlazorTest>

The following program has a list of employees working in customer support, for each employee we have the number of calls handled in regards to the minimum requirement of 10 calls per working day (that number could be negative if they handled less than required.

### Question 1

Implement the method BlazorTestBL.GetMaxSum

This method gets an array of numbers and returns the sub array with the max sum.

Example: [-2, 1, -3, 4, -1, 2, 1, -5, 4]

The results will be between indexes 3-7 the total is 6.

### Question 2

Update “BlazorDbTable\Pages\EMail.razor” to look like this:

A screenshot of a computer screen

Description automatically generated

Use “BlazorDbTable\ViewModel\EMailsVM.cs” as the view model for this page.

All the content will be taken from “BlazorTestBL\BlazorTestBL.cs” class.

The functions that you need are “GetEmployees” to get the list of employees and their emails and “CreateEmployeeEmail” to get the list of emails for a specific employee.

Use “BlazorDbTable\Pages\Employees.razor” and “BlazorDbTable\ViewModel\EmployeesVM.cs” as a reference if needed.

### Database

You have the following tables:

Competitors:

|  |  |  |  |
| --- | --- | --- | --- |
| ID | Name | PhoneNO | Address |
| 1 | Danny | 052-1234567 | Hayarkon Tel Aviv |
| 2 | Lisa | 052-2223344 | Rotchiled Tel Aviv |
| 3 | Avi | 052-7654321 | King Gorge Tel Aviv |

Contests:

|  |  |
| --- | --- |
| ID | Content |
| 1 | Scavenger hunt |
| 2 | House decoration |
| 3 | Arts and Crafts |

Results:

|  |  |  |
| --- | --- | --- |
| Competitor | Contest | Points |
| 1 | 1 | 5 |
| 1 | 2 | 5 |
| 1 | 3 | 5 |
| 2 | 2 | 8 |
| 2 | 3 | 2 |
| 3 | 1 | 7 |
| 3 | 2 | 2 |
| 3 | 3 | 9 |

### Question 1

Create a query that will return for each contestant, how many points he has.

|  |  |  |
| --- | --- | --- |
| ID | Name | Points |
| 1 | Danny | 15 |
| 2 | Lisa | 10 |
| 3 | Avi | 18 |

## Question 2

Create a query that will return contestants that didn’t participate in one of the contents and which contest they didn’t participate in.

|  |  |  |  |
| --- | --- | --- | --- |
| Competitor\_ID | Competitor\_Name | Contest\_ID | Contest\_Name |
| 2 | Lisa | 1 | Scavenger hunt |