

# 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

In Employee.razor there is a function GenerateEmails()

In that function you need to call BlazorTestBL.CreateEmployeeEmail for each employee, open a new window that will display the email address and, for each email address, display the content of all the emails

The window display will be:

merav@dbmaestro.com	Email content 1
ori@dbmaestro.com	Email content 2

## Question 2

Implement the method BlazorTestBL.GetEmployeeBestPerformance

This method returns the consecutive days where the sum of all the calls handled over the minimum required is the largest,

i.e

Day 1 – (-2)

Day 2 – 1

Day 3 – (-3)

Day 4 – 4

Day 5 – (-1)

Day 6 – 2

Day 7 – 1

Day 8 – (-5)

Day 9 – 4

The result should be Days 4-7 where the number of calls over is 6.

In other words, find the sub array from an array of positive and negative numbers that has the maximum sum.

## 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.

### 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.