

Task deadline : 20th April 2023

Group of 3 students

This is a simple task as preparation for the project , to make sure your local environment or the redhat image (ova) is working correctly.

Deliver your task as a github repository using the following form

<https://forms.gle/VzJoMmcVNxRM38m88>

1- Create a post API to perform a calculation

The logic goes as the following

As per the operation type (- , + , / , *) do the corresponding mathematical operation and insert a row in database as shown in the entity below

Calculation Entity

Number1 : int

Number2 : int

Operation : string

Name: Create Calculation
URL: /api/calc
Method: POST
Parameters: None
Request <u>Body:</u> <pre>{ "number1":"5", "number2":"3", "operation":"+" }</pre>
Response <u>Status:</u> 200 OK (If correct) <u>Response:</u> <pre>{ "Result": 8 }</pre> <u>Status:</u> 500 (If exception happened)

2- Create a GET API to retrieve all calculations

Name: Get Calculation
URL: /api/calculations
Method: GET
Parameters: None
Request <u>None</u>
Response <u>Status:</u> 200 OK (If correct) <u>Status:</u> 500 (If exception happened) Body: <pre>[{ "number1":"5", "number2":"3", "operation":"+"} , { "number1":"5", "number2":"3", "operation":"*"}]</pre>