

It receives "firstNumber", "secondNumber" and "operation" as inputs as query as a part of the URL.

**Parameters:**

firstNumber: Any int value

secondNumber: Any int value

operation: "+", "-", "\*", "/" or "%"

Finally, it should return the result of the specified operation performed on firstNumber and secondNumber

**Example #1:**

If you receive a HTTP GET request at path "/", if firstNumber, secondNumber and operator are submitted, it should perform the given operation and return HTTP 200 response.

Request Url: /?firstNumber=5&secondNumber=2&operation=add

Request Method: GET

Response Status Code: 200

Response Body (output): 7

**Example #2:**

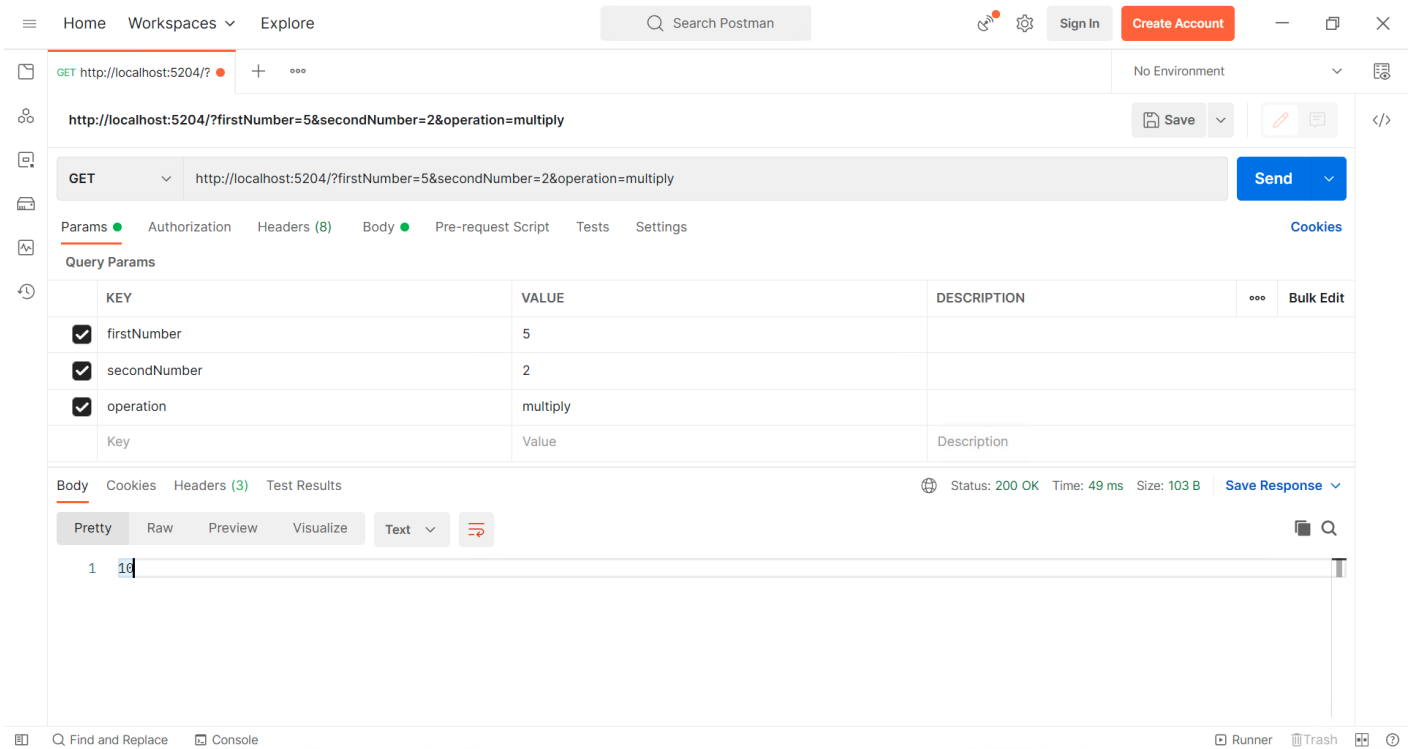
If you receive a HTTP GET request at path "/", if firstNumber, secondNumber and operator are submitted, it should perform the given operation and return HTTP 200 response.

Request Url: /?firstNumber=5&secondNumber=2&operation=multiply

Request Method: GET

Response Status Code: 200

Response Body (output): 10



### Example #3:

If you receive a HTTP GET request at path "/", if firstNumber, secondNumber and operator are submitted, if "operation" is incorrect, it should return HTTP 200 response.

Request Url: /?firstNumber=5&secondNumber=2&operation=something

Request Method: GET

Response Status Code: 400

Response Body (output): `Invalid input for 'operation'`

### Example #4:

If you receive a HTTP GET request at path "/", if neither firstNumber, secondNumber and operator are submitted, return HTTP 400 response.

Request Url: /

Request Method: GET

Response Status Code: 400

Response Body (output):

`Invalid input for 'firstNumber'`

`Invalid input for 'secondNumber'`

`Invalid input for 'operation'`

The screenshot shows the Postman interface with a GET request to `http://localhost:5204/?operation=something`. The response status is 400 Bad Request. The response body, viewed in 'Text' format, contains the following error messages:

```

1 Invalid input for 'firstNumber'
2 Invalid input for 'secondNumber'
3 Invalid input for 'operation'
4

```

### Example #5:

If you receive a HTTP GET request at path "/", if any one of firstNumber, secondNumber and operator is not submitted, it should return HTTP 400 response.

Request Url: `/?firstNumber=7`

Request Method: GET

Response Status Code: 400

Response Body (output):

**Invalid input for 'secondNumber'**

**Invalid input for 'operation'**

### Instructions:

- Use `app.Run()` method to define code for calculation of result based on given numbers and operation
- The user can only supply two numbers as "firstNumber" and "secondNumber" parameters.
- The "firstNumber", "secondNumber" and "operation" values are mandatory
- Return appropriate HTTP status codes based on above examples.
- Do not create controllers or any other concept which is not yet covered, to avoid confusion.

## Questions for this assignment

Check your source code with Instructor's source code.