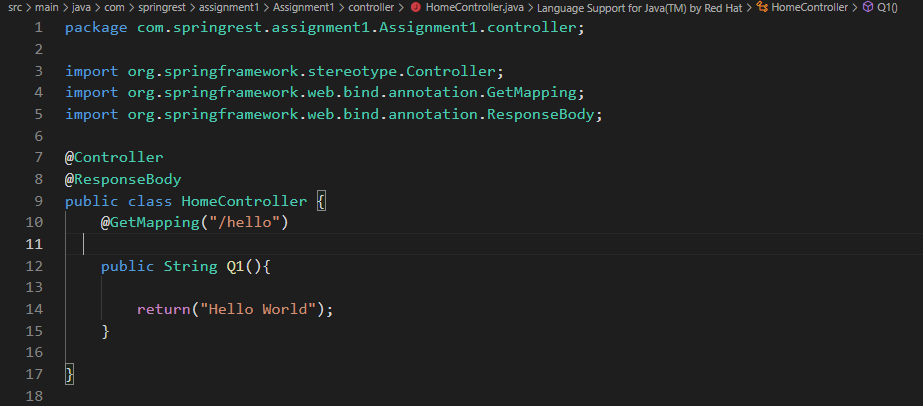
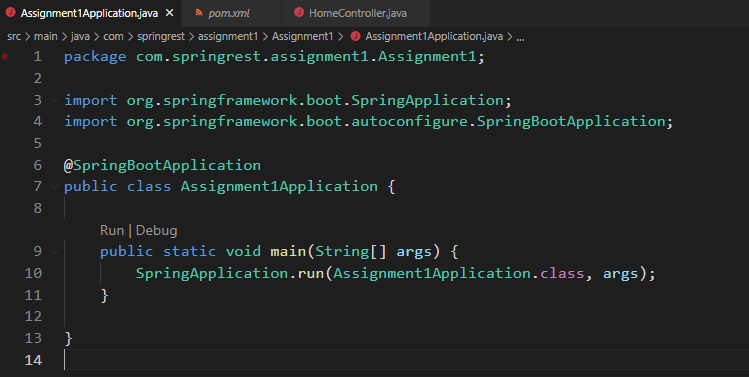
**Spring REST Assignments**

1. Create a RESTful web service that returns "Hello World" message.

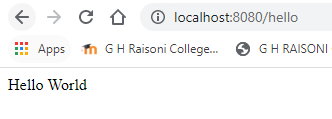
HomeController



Assignment1Application.java

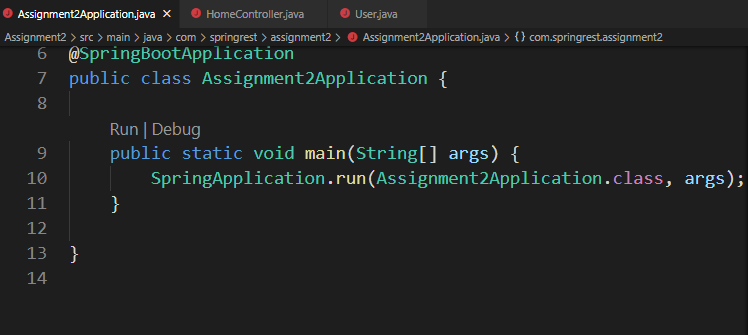


Output

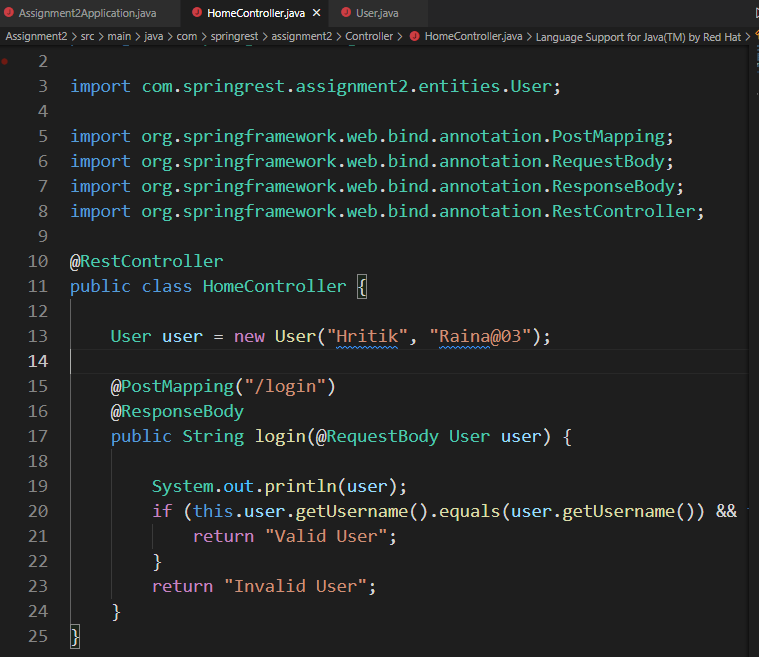


1. Create a RESTful web service that authenticates an user. User will specify his/her credentials i.e. username and password. If username and password are correct, It should return "valid user" message, else "Invalid user" message.

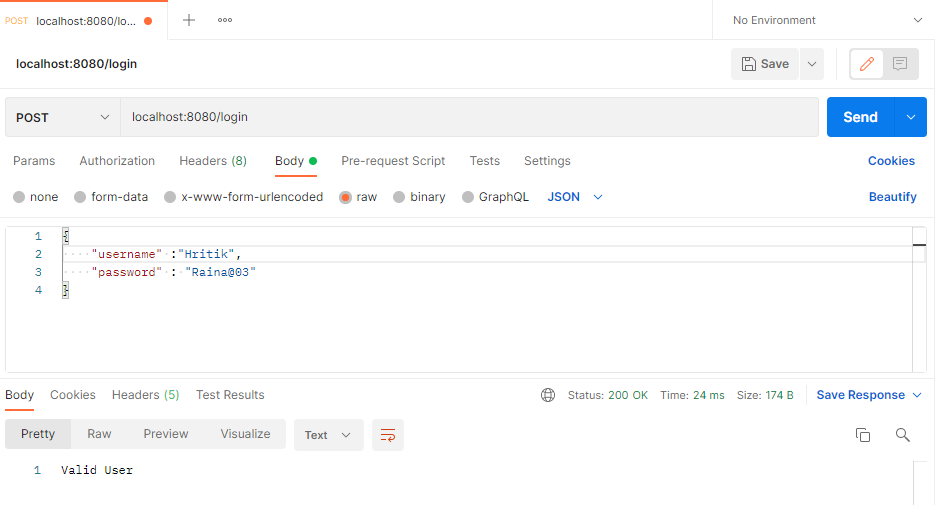
Assignment2Application



Home Controller

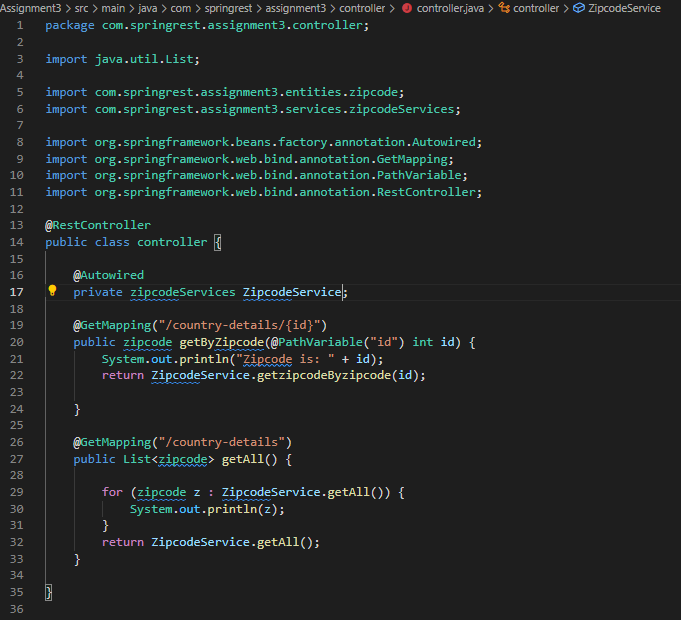


Output

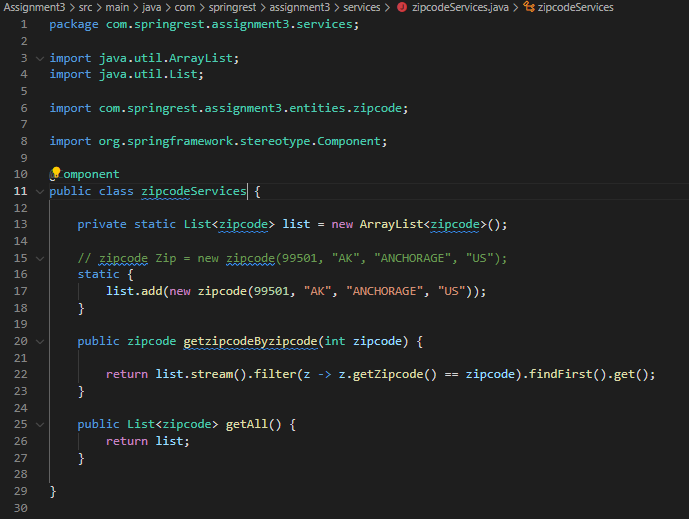


1. Create a RESTful web service that returns state, city and country information when user passes zipcode. You can send state, city and country information in JSON format. Sample Input: 99501 Sample output: {"state": "AK", City: "ANCHORAGE", "country: "US"}

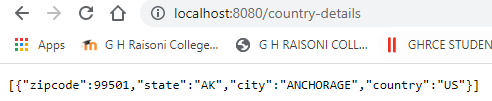
controller



services

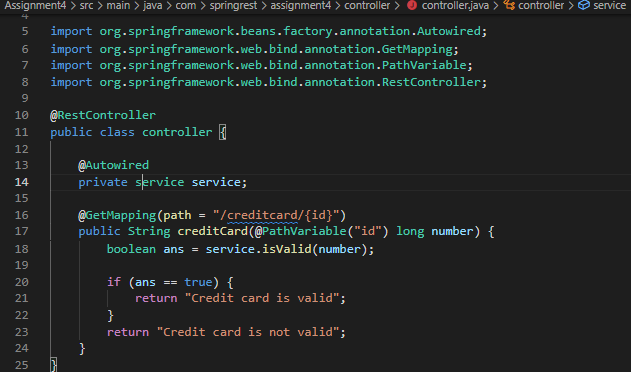


Output



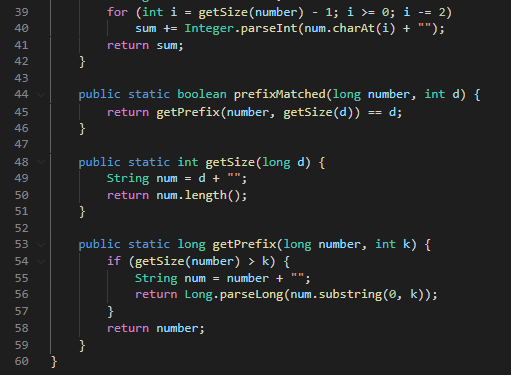
1. Create a RESTful web service that validates the credit card. It means we need to check the type of credit card like American Express, Discover, Visa etc and it is valid or not.

Controller

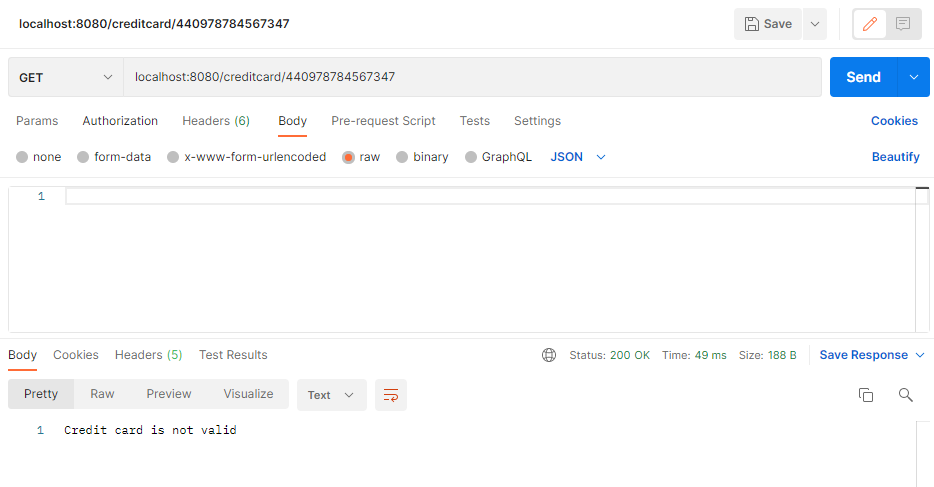


service





Output



5) Develop RESTful web services for "Employee Management System" that manages the information about employees

1. Add a new employee

2. Searching for specific employee

3. Deleting an existing employee

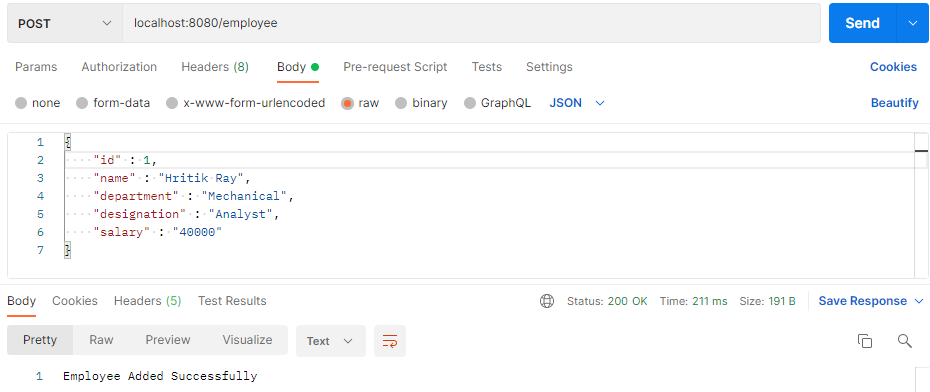
4. Finding all employees

5. Editing/updating employee information.

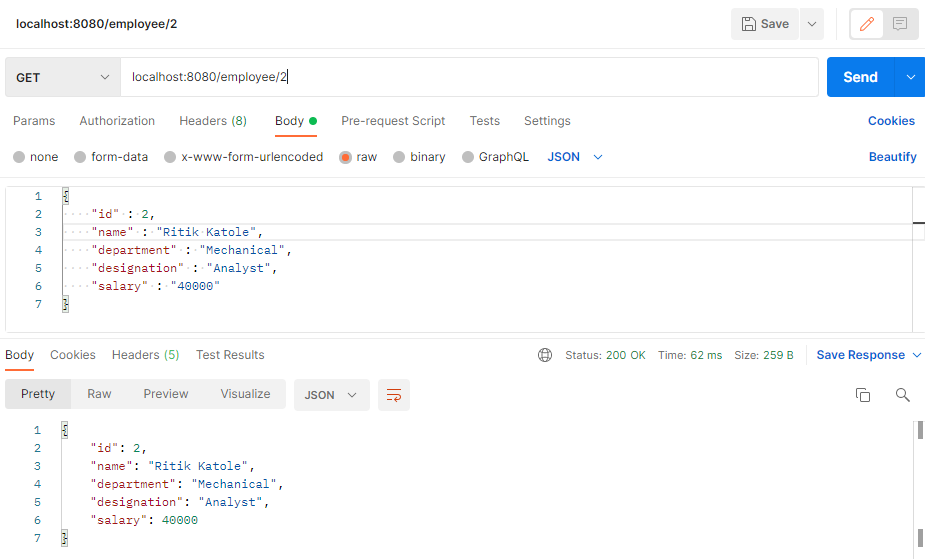
Create a Employee domain model class having following properties: employeeId, employeeName, employeeDepartment, employeeDesignation, employeeSalary. Employee Id should be generated automatically at database level. Develop controller, service and repository layers classes.

Use CrudRepository from Spring Data.

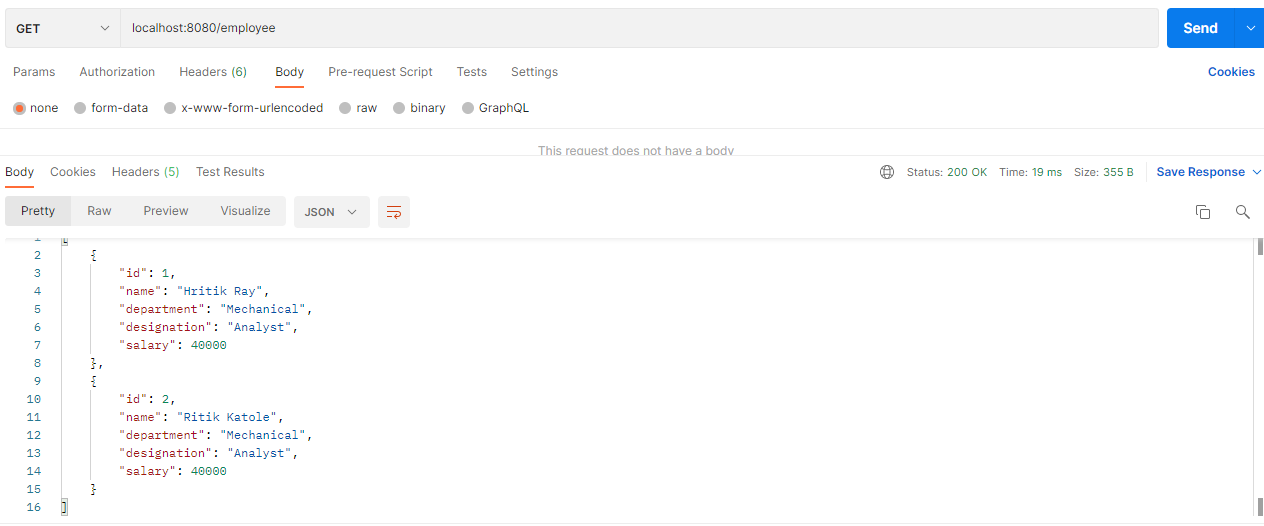
1. Add new employee



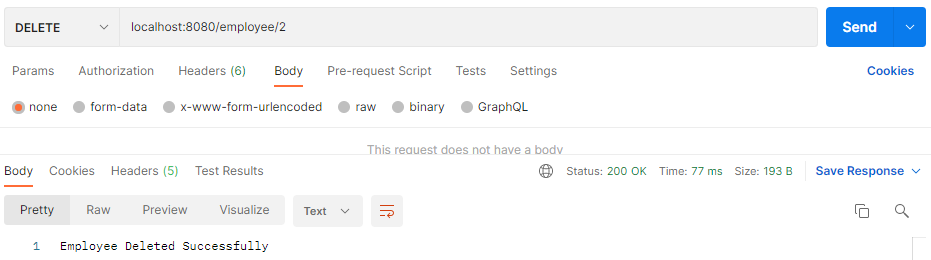
1. Searching for a specific employee



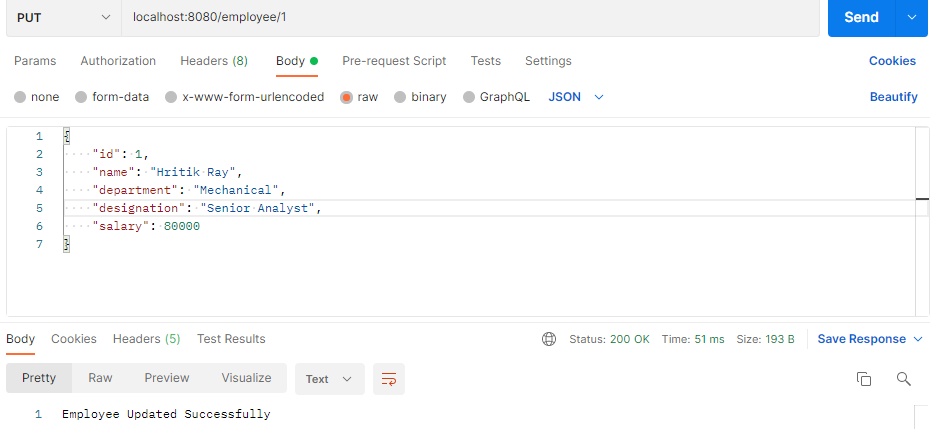
4 Finding all employee

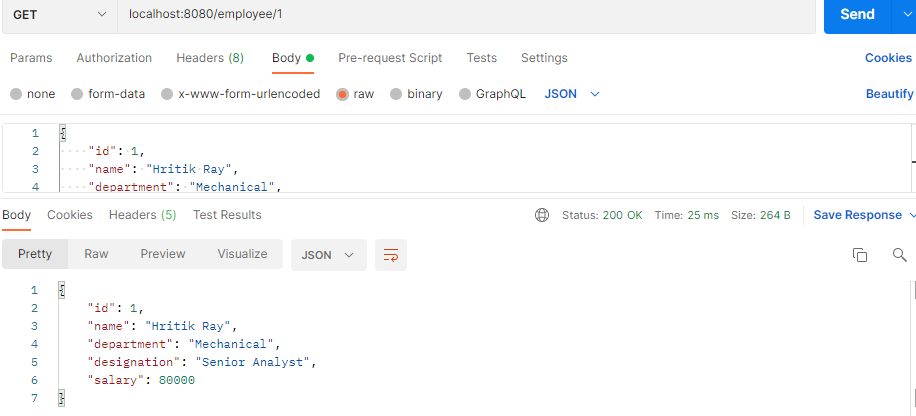


1. Delete an employee

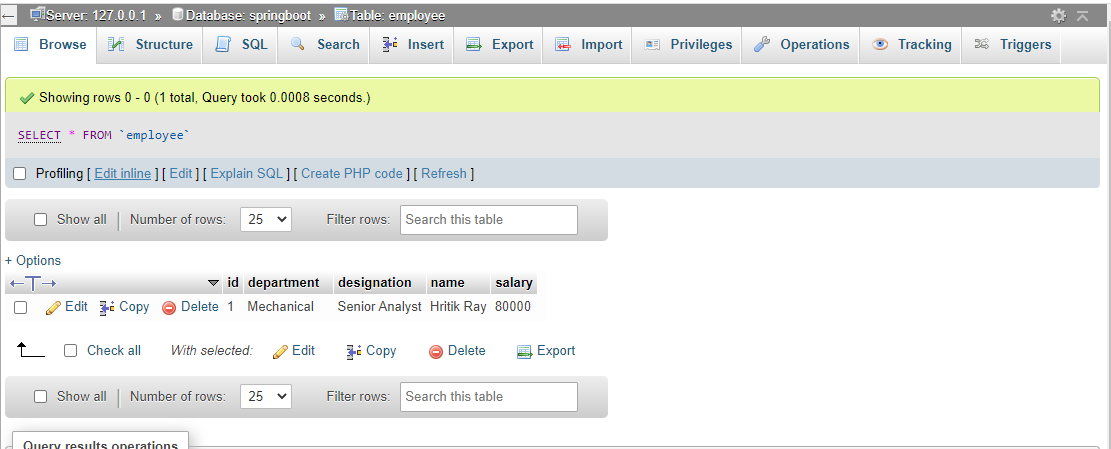


5 Updating





Database Created



6) Create a Calculator RESTful service that provides following functionality.

1. Addition of the 2 numbers

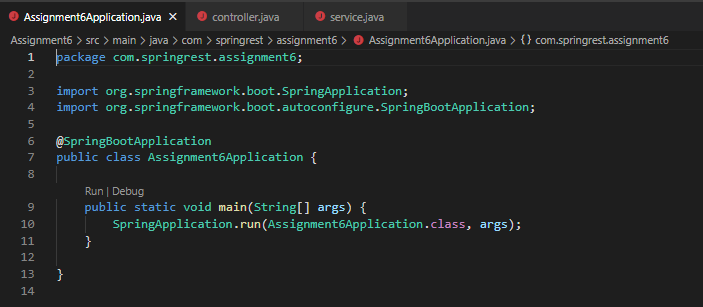
2. Subtraction of the 2 numbers

3. Multiplication of 2 numbers

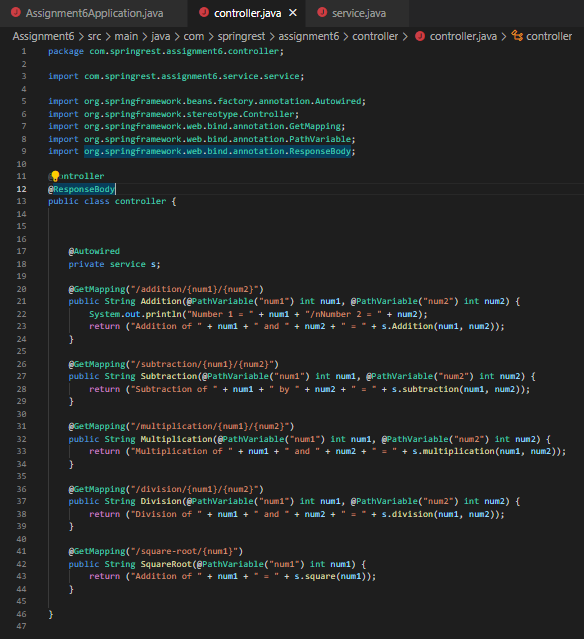
4. Division of 2 numbers

5. Finding square root of a number.

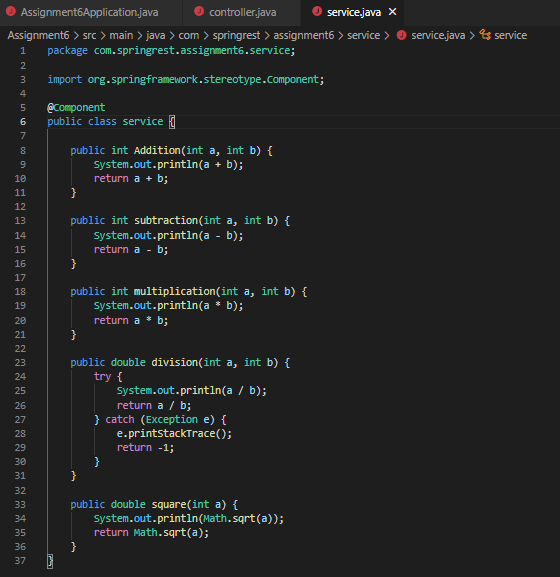
Consume the above RESTful web service by using RestTemplate.



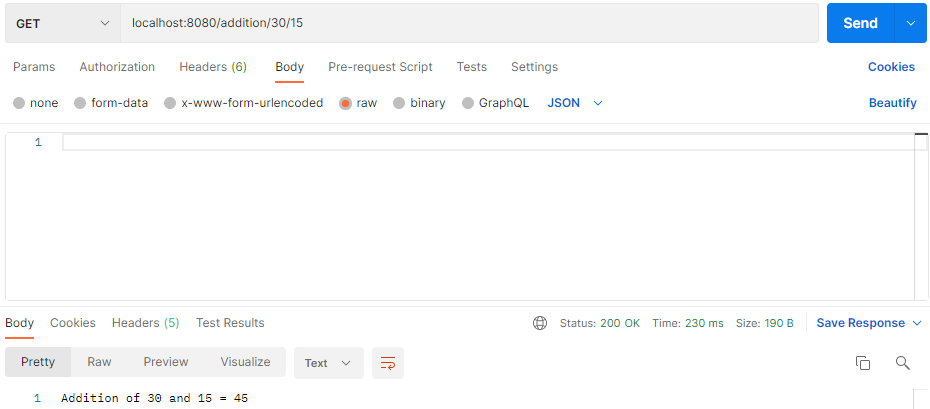
controller



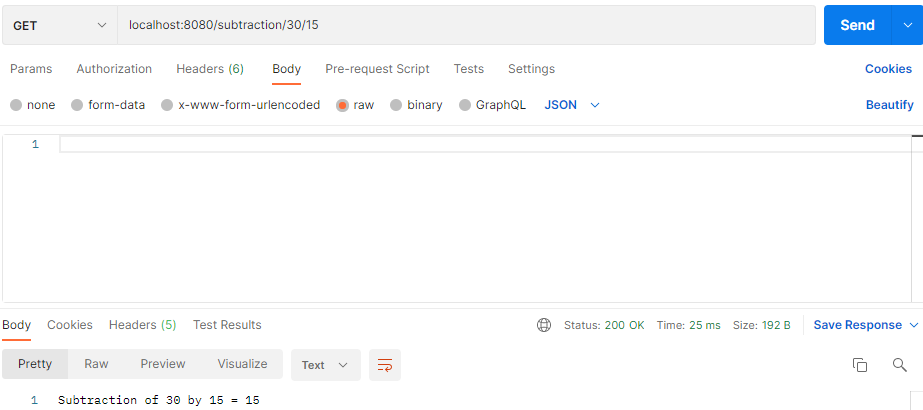
service



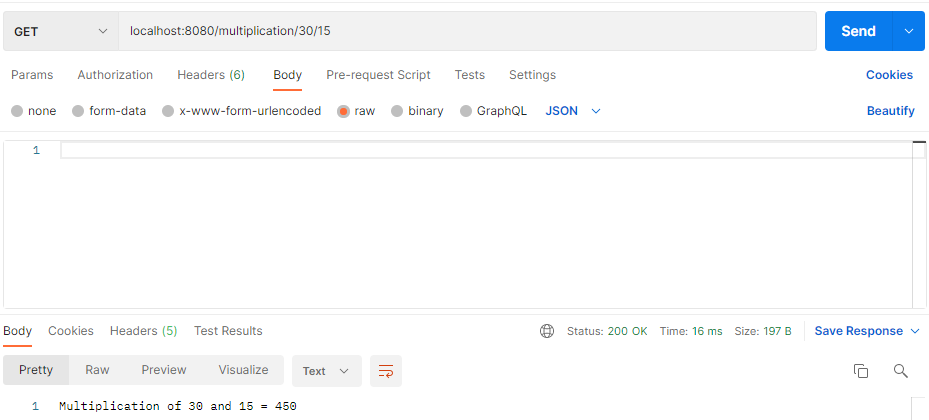
Addition



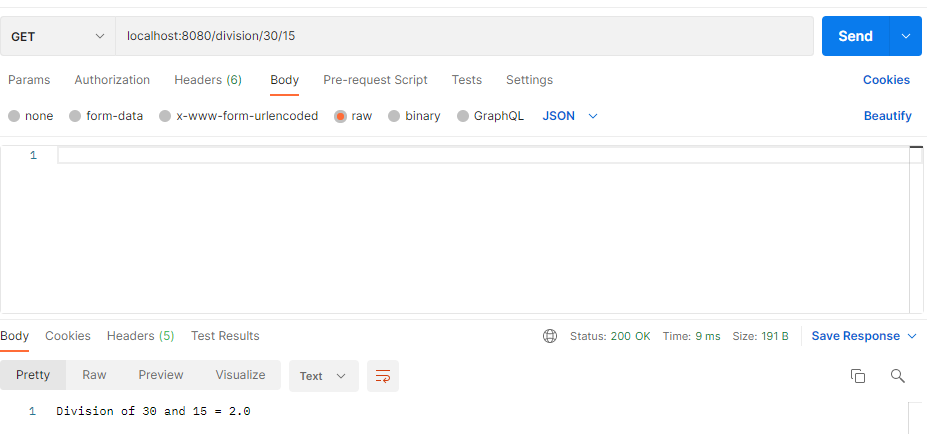
subtraction



multiplication



division



7) Design and develop RESTful web service as follows:

1. A user can place an order

2. A user can update an order

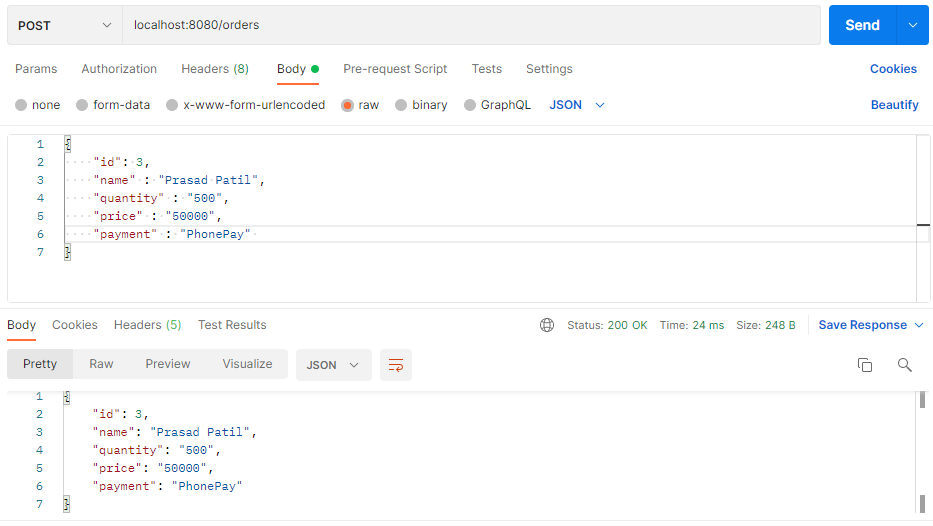
3. A user can view specific order

4. A user can view all the orders

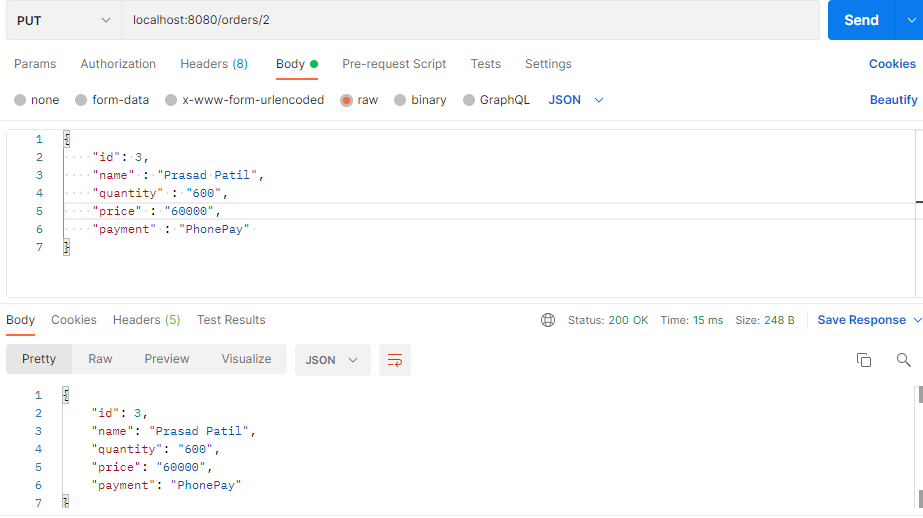
5. A user can delete a specific order.

Note: Use MongoRepository of Spring data to store order details

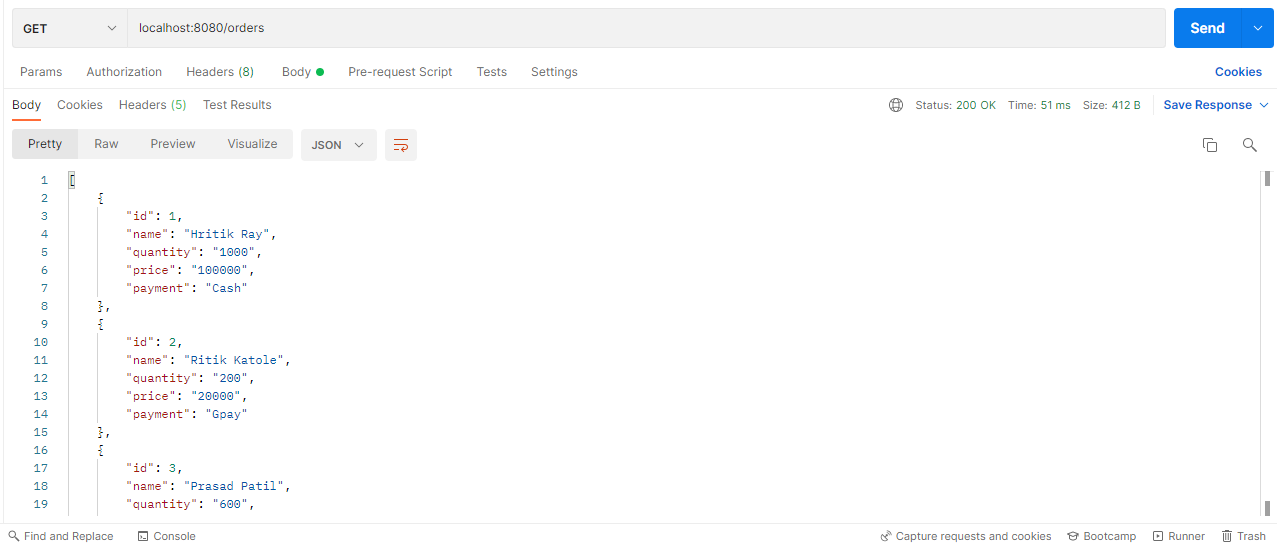
1 A user can place an order



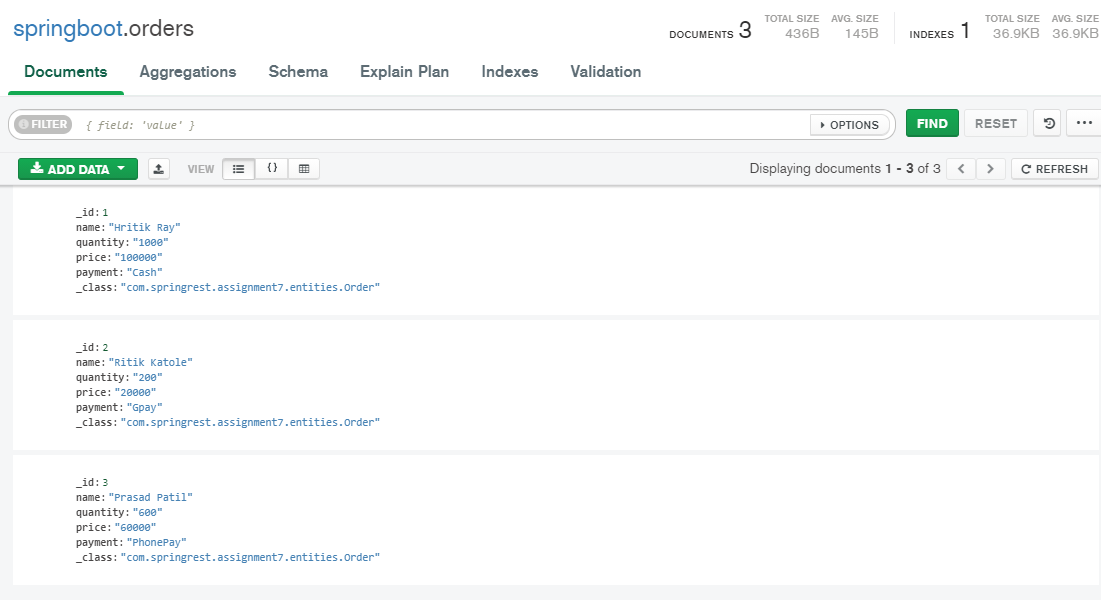
2 A user can update an order



3 A user can view all orders

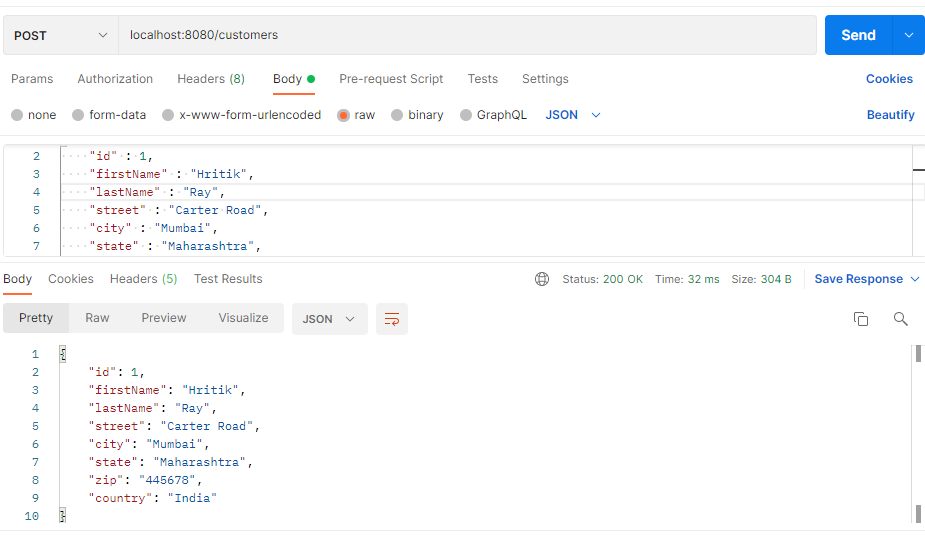


MongoDB database

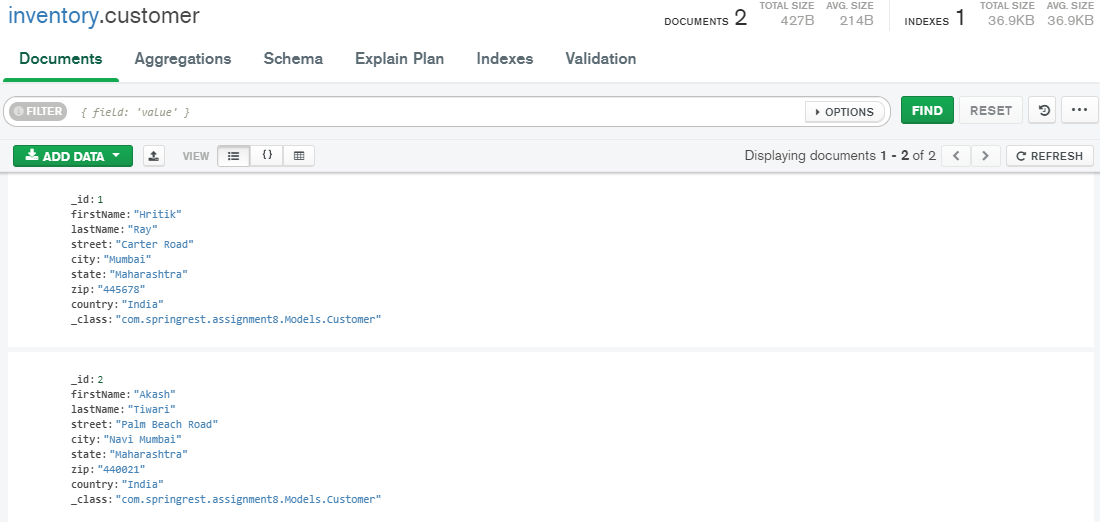


9) Design and develop RESTful web service as follows: 1. Add a new customer information. 2. Update customer information. 3. Delete existing customer information. 4. Fetch information of specific customer. 5. Fetch information of all customers. Note: Use CrudRepository of Spring Data to store customer details

Add new customer



Info of all Customer



Delete specific customer



