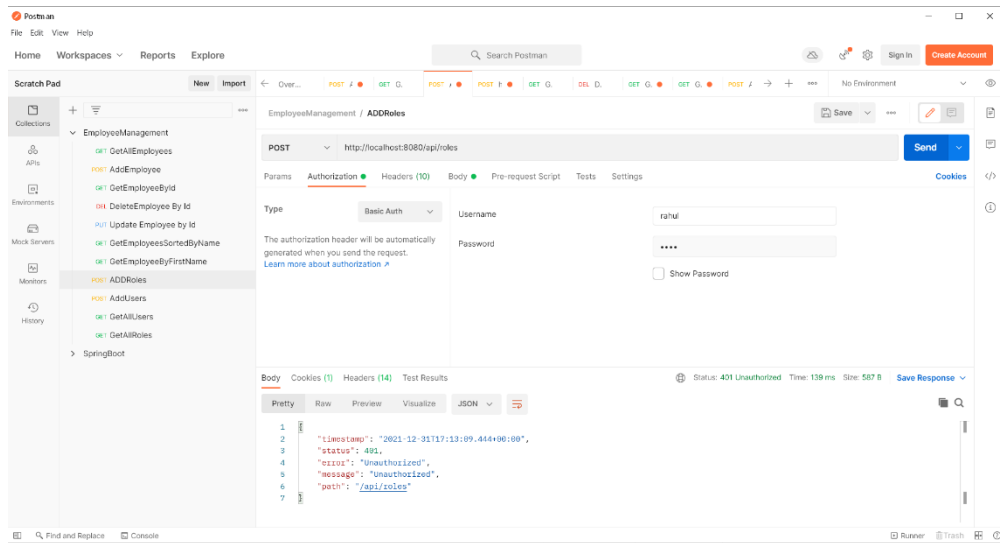
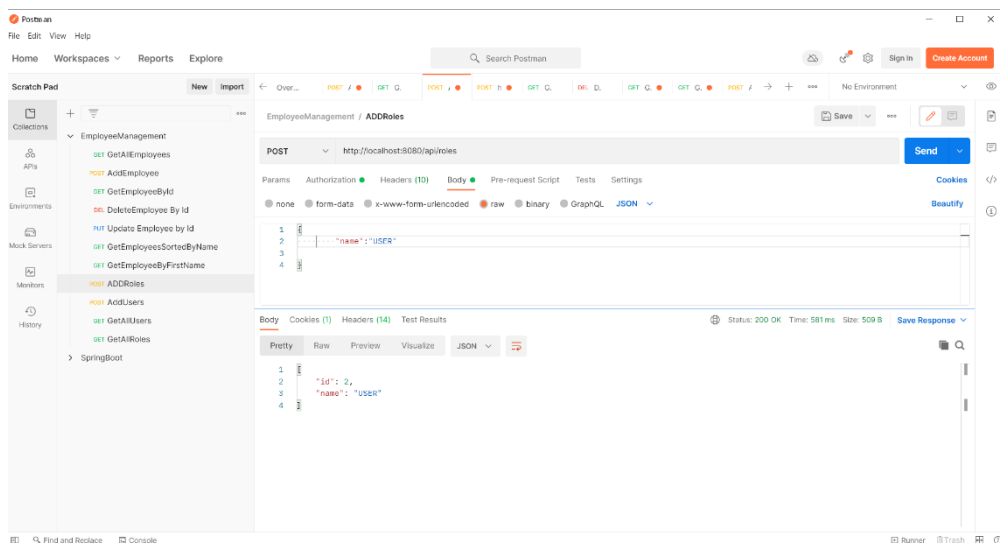
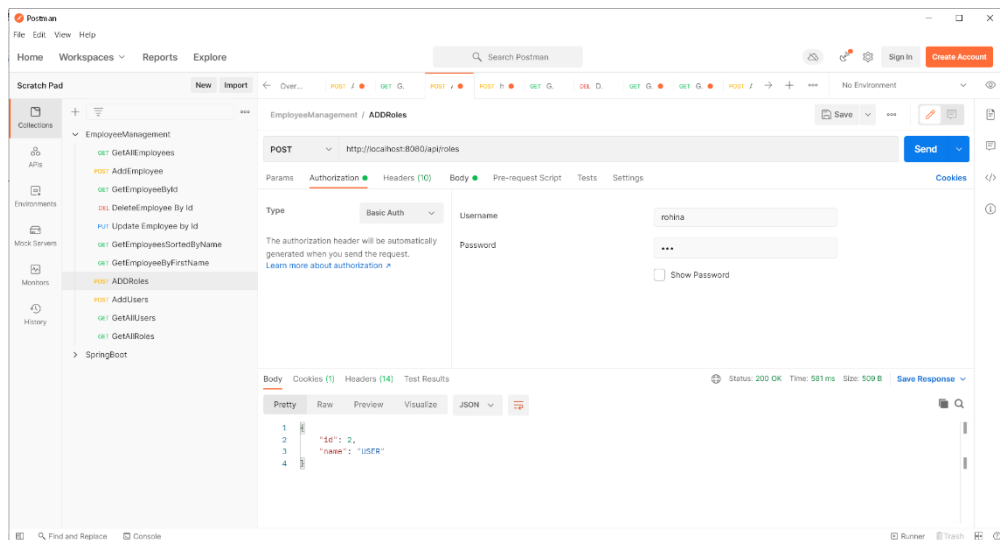


Add roles in the database with **USER** credentials:

Response: 401, Unauthorized



Add roles in the database with **Admin** credentials:



Get all roles from the database:

Postman interface showing a GET request to `http://localhost:8080/api/roles`. The response is a JSON array of two roles:

```
1 {
2   "id": 1,
3   "name": "ADMIN"
4 },
5 {
6   "id": 2,
7   "name": "USER"
8 }
9
10
```

Add users in the database:

Postman interface showing a POST request to `http://localhost:8080/api/users/add`. The response is a JSON object representing a newly added user:

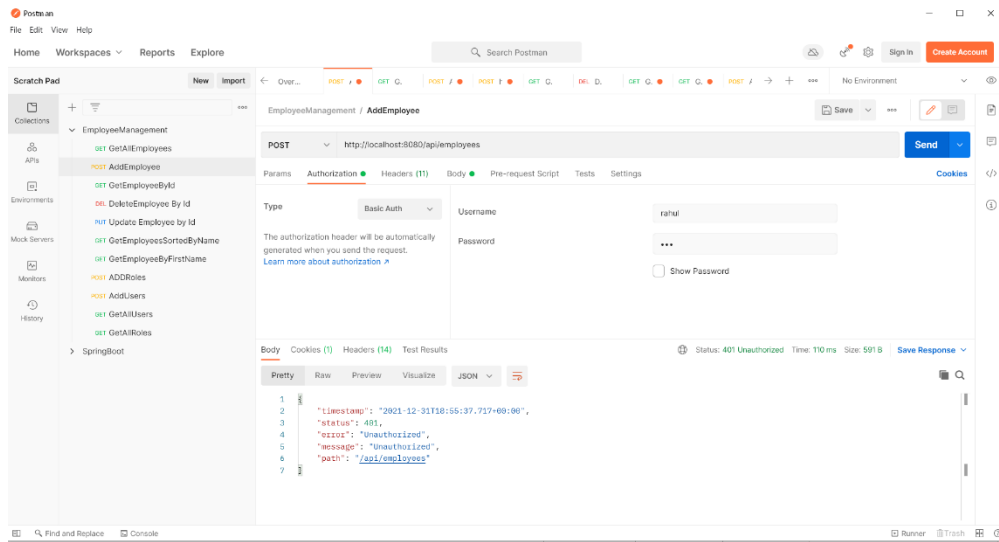
```
1 {
2   "id": 1,
3   "username": "zohina",
4   "password": "$2e$12$6mwyYx1a4CVbx0J/p4.11qVx3NDYwNkMt.9jNLfze80VaQu",
5   "roles": [
6     {
7       "id": 1,
8       "name": "ADMIN"
9     }
10 ]
11 }
```

Get all users from database:

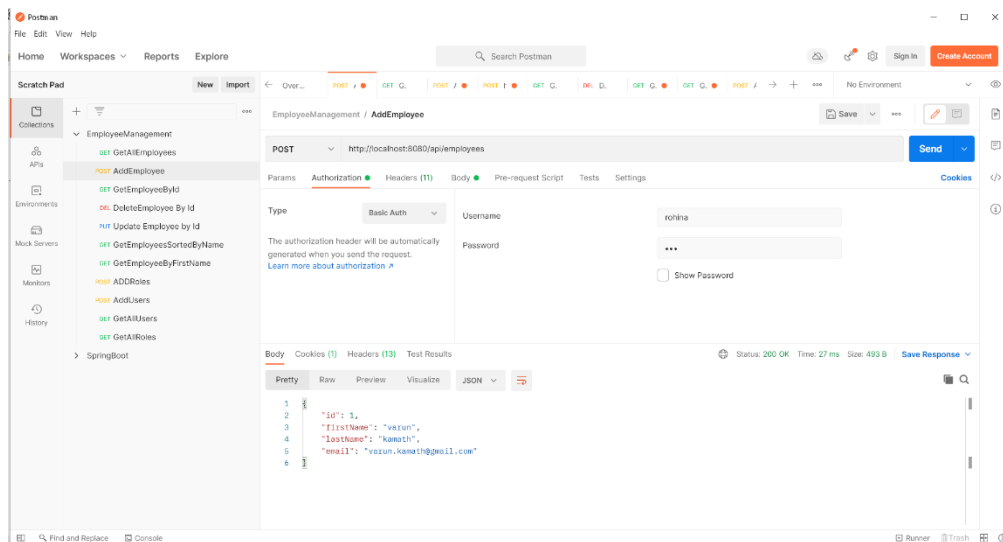
Postman interface showing a GET request to `http://localhost:8080/api/users/list`. The response is a JSON array of two users:

```
1 {
2   "id": 1,
3   "username": "zohina",
4   "password": "$2e$12$6mwyYx1a4CVbx0J/p4.11qVx3NDYwNkMt.9jNLfze80VaQu",
5   "roles": [
6     {
7       "id": 1,
8       "name": "ADMIN"
9     }
10 ],
11 {
12   "id": 2,
13   "username": "rahul",
14   "password": "$2e$12$6mwyYx1a4CVbx0J/p4.11qVx3NDYwNkMt.9jNLfze80VaQu",
15   "roles": [
16     {
17       "id": 2,
18       "name": "USER"
19     }
20 ]
21 }
```

Add employees data in the database with **USER** credentials:



Add employees data in the database with **ADMIN** credentials



3 Employees Added:

This screenshot shows the first API call in Postman. The collection is named 'EmployeeManagement' and the endpoint is 'AddEmployee' with a POST method. The request body is a JSON object:

```
{  "firstName": "vazun",  "lastName": "kanath",  "email": "vazun.kanath@gmail.com"}
```

. The response status is 200 OK, and the response body is a JSON object:

```
{  "id": 1,  "firstName": "vazun",  "lastName": "kanath",  "email": "vazun.kanath@gmail.com"}
```

This screenshot shows the second API call in Postman. The request body is a JSON object:

```
{  "firstName": "Rohina",  "lastName": "Nazeem",  "email": "rohina.nazeem@gmail.com"}
```

. The response status is 200 OK, and the response body is a JSON object:

```
{  "id": 2,  "firstName": "Rohina",  "lastName": "Nazeem",  "email": "rohina.nazeem@gmail.com"}
```

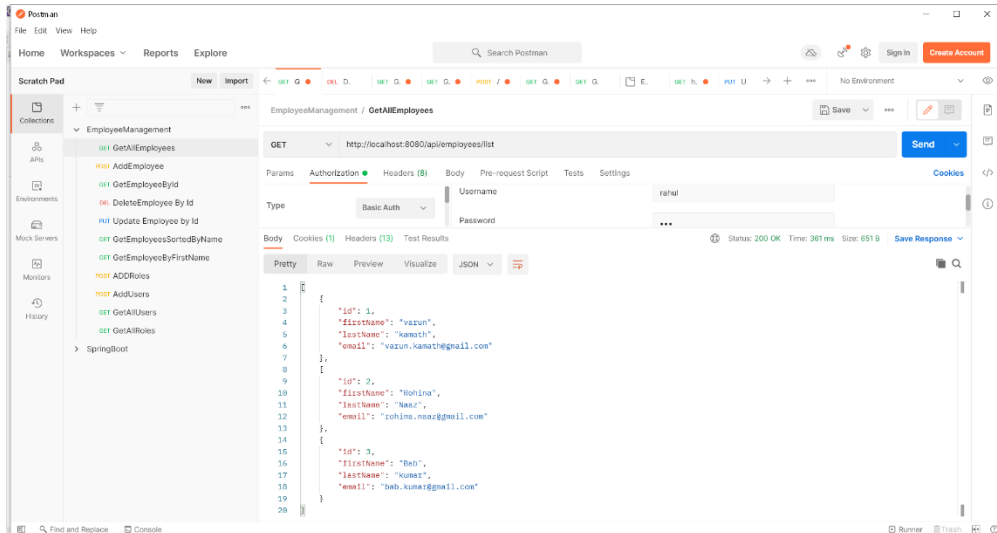
This screenshot shows the third API call in Postman. The request body is a JSON object:

```
{  "firstName": "Bab",  "lastName": "Kumar",  "email": "bab.kumar@gmail.com"}
```

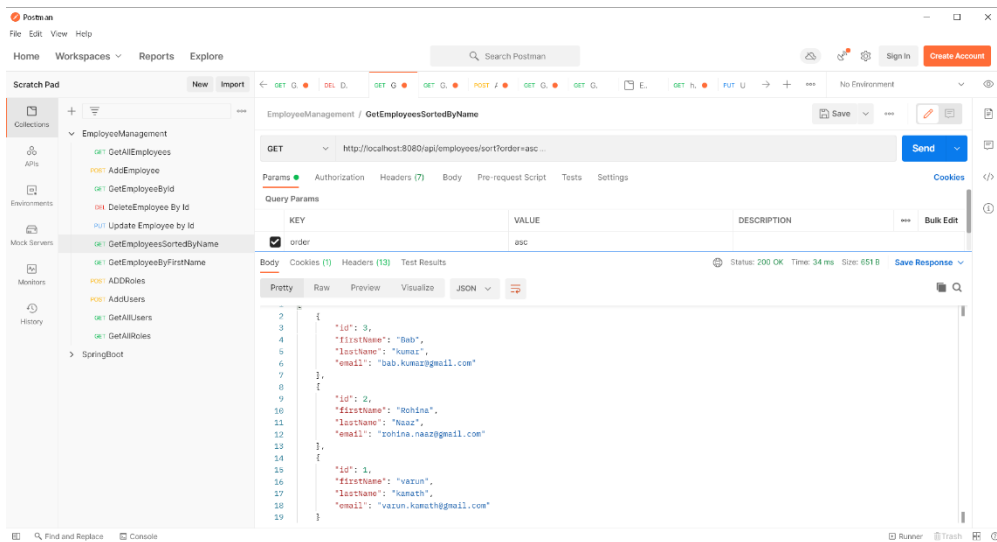
. The response status is 200 OK, and the response body is a JSON object:

```
{  "id": 3,  "firstName": "Bab",  "lastName": "Kumar",  "email": "bab.kumar@gmail.com"}
```

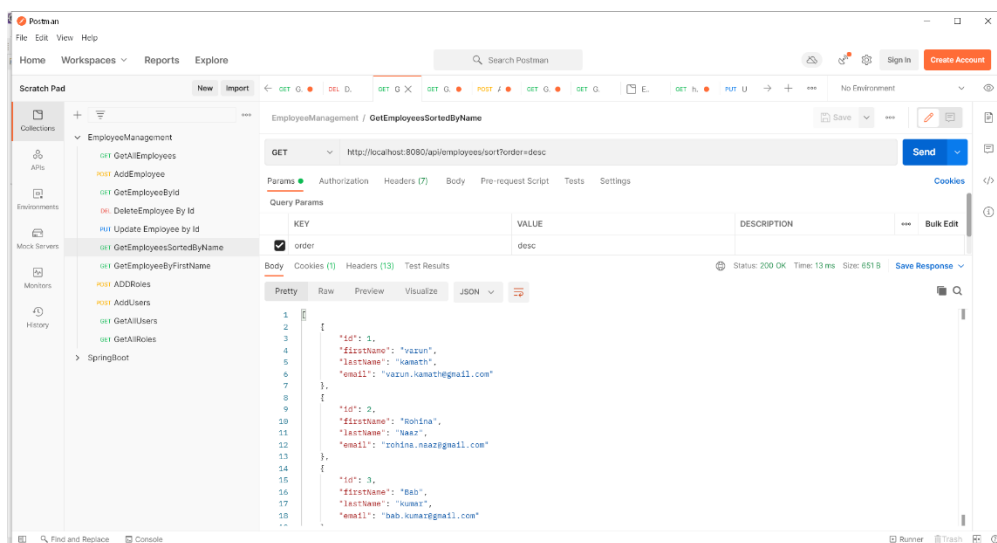
List/Get all the employees stored in the database:



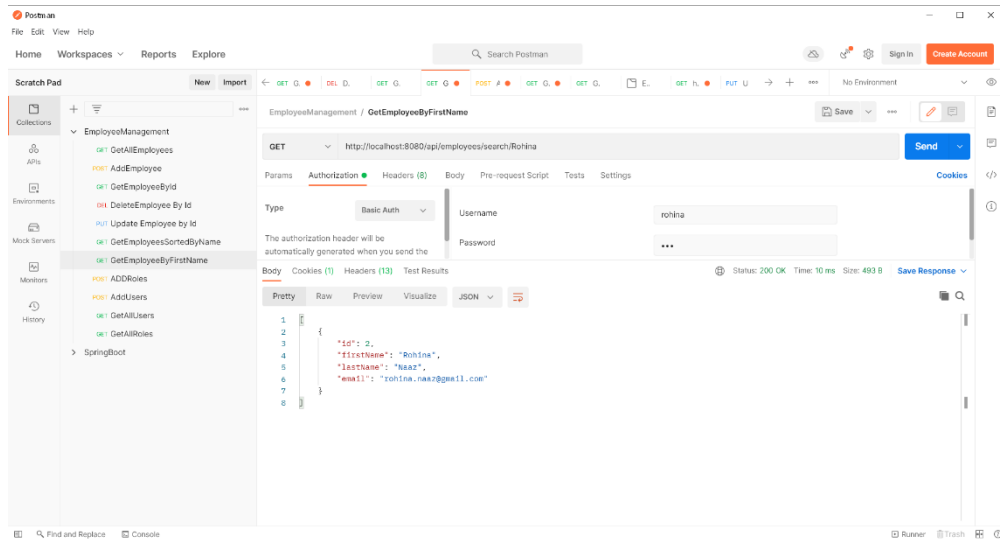
List all employee records sorted on their first name in ascending order :



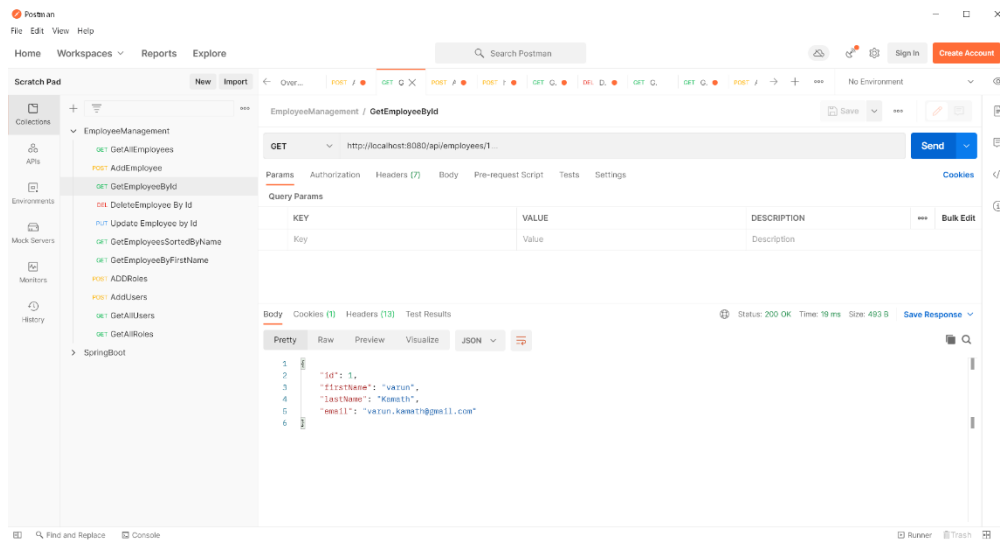
List all employee records sorted on their first name in descending order:



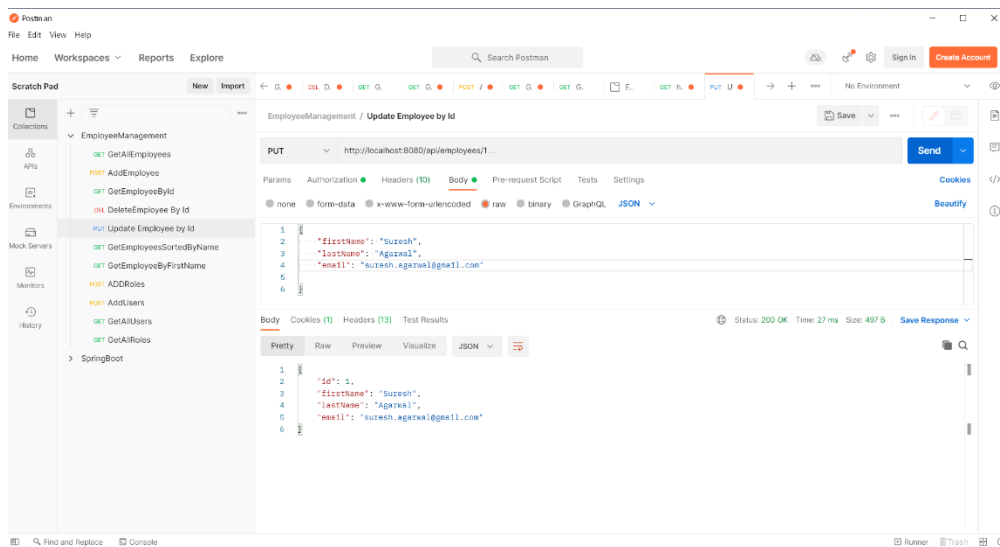
Fetch an employee by his/her first name:



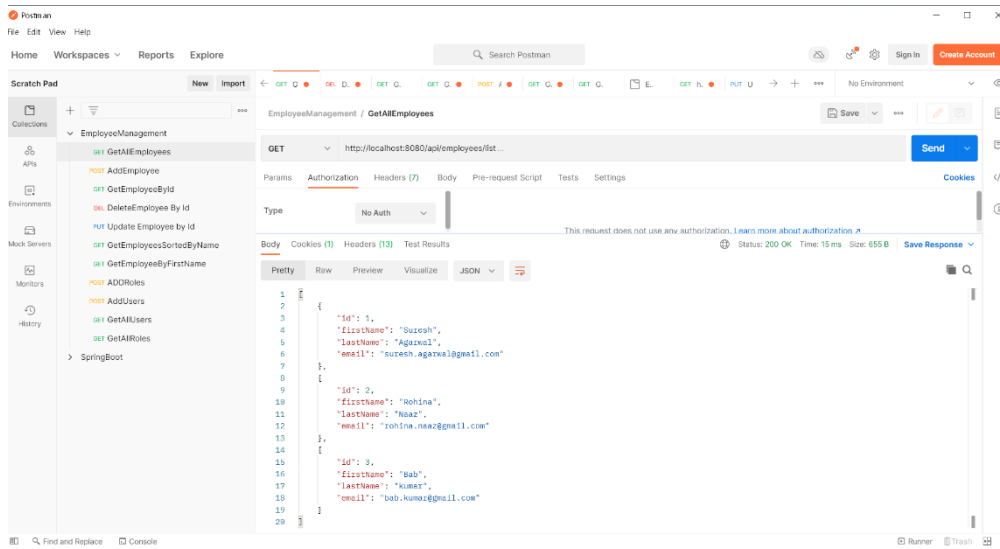
Fetch or get an employee record by the id of that employee:



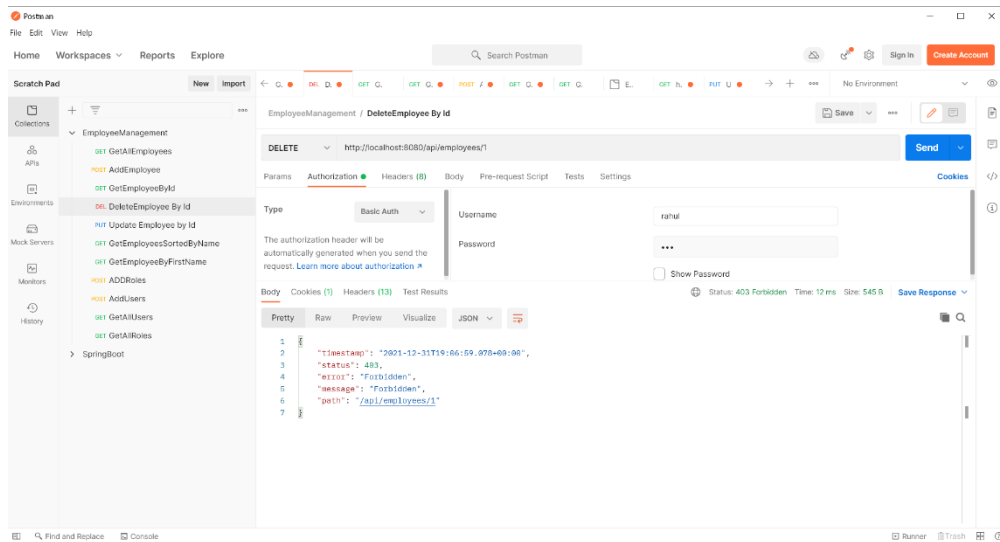
Update an existing employee record with the given json object



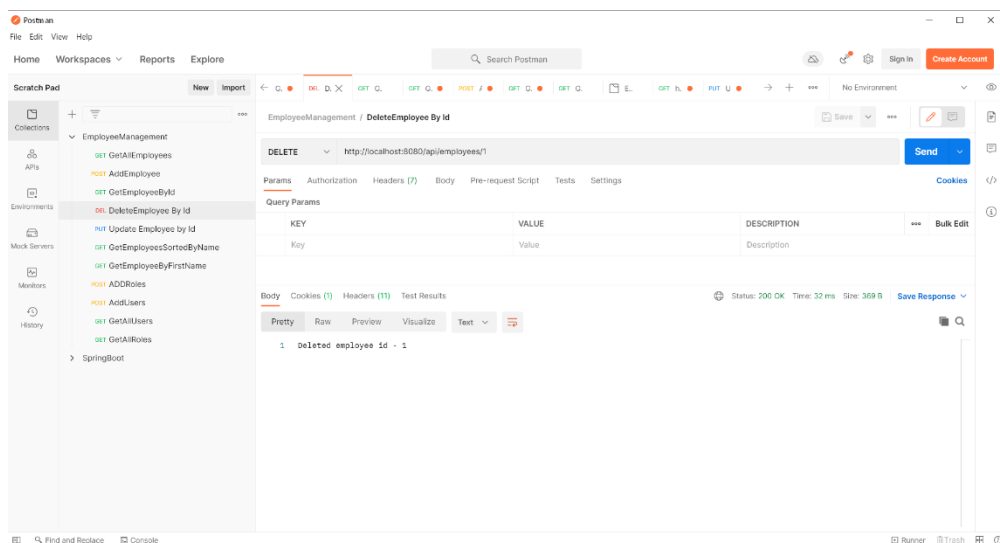
After updation, list of Employees from database:



Delete an existing employee record based on the id of the employee With **USER** credentials:



With **ADMIN** credentials:



After deleting employee with id 1, list of employees from database

The screenshot shows the Postman application interface. On the left, the 'Scratch Pad' sidebar lists a collection named 'EmployeeManagement' with several endpoints. The main workspace displays a GET request to 'http://localhost:8080/api/employees/list...'. The response is a JSON array of two employee objects. The status bar at the bottom indicates a successful response with status 200 OK, time 12 ms, and size 569 B.

Request:

- Method: GET
- URL: http://localhost:8080/api/employees/list...
- Authorization: No Auth

Response (JSON):

```
1 {
2   {
3     "id": 2,
4     "firstName": "Rohina",
5     "lastName": "Naaz",
6     "email": "rohina.naaz@gmail.com"
7   },
8   {
9     "id": 3,
10    "firstName": "Bab",
11    "lastName": "Kumari",
12    "email": "bab.kumari@gmail.com"
13  }
14 }
```