

# Paytm Internship Dev Training

## Week 2 Task

**Name:** Amruta Nandargi  
**Employee Id:** T2656  
**College:** MIT-WPU, Kothrud, Pune  
**Contact Number:** 9922076389

**Date Assigned:** 19/01/22  
**Date Submitted:** 24/01/22

**Task Link uploaded on Drive:** [https://drive.google.com/drive/folders/1ELH7P8bEGwj7GA-yVH5Qx096\\_9gxZHI4?usp=sharing/](https://drive.google.com/drive/folders/1ELH7P8bEGwj7GA-yVH5Qx096_9gxZHI4?usp=sharing/)

### Task Title:

Implement springboot project - Employee/Department Management module, which has basic CRUD APIs using Spring JPA  
- Mysql as a database

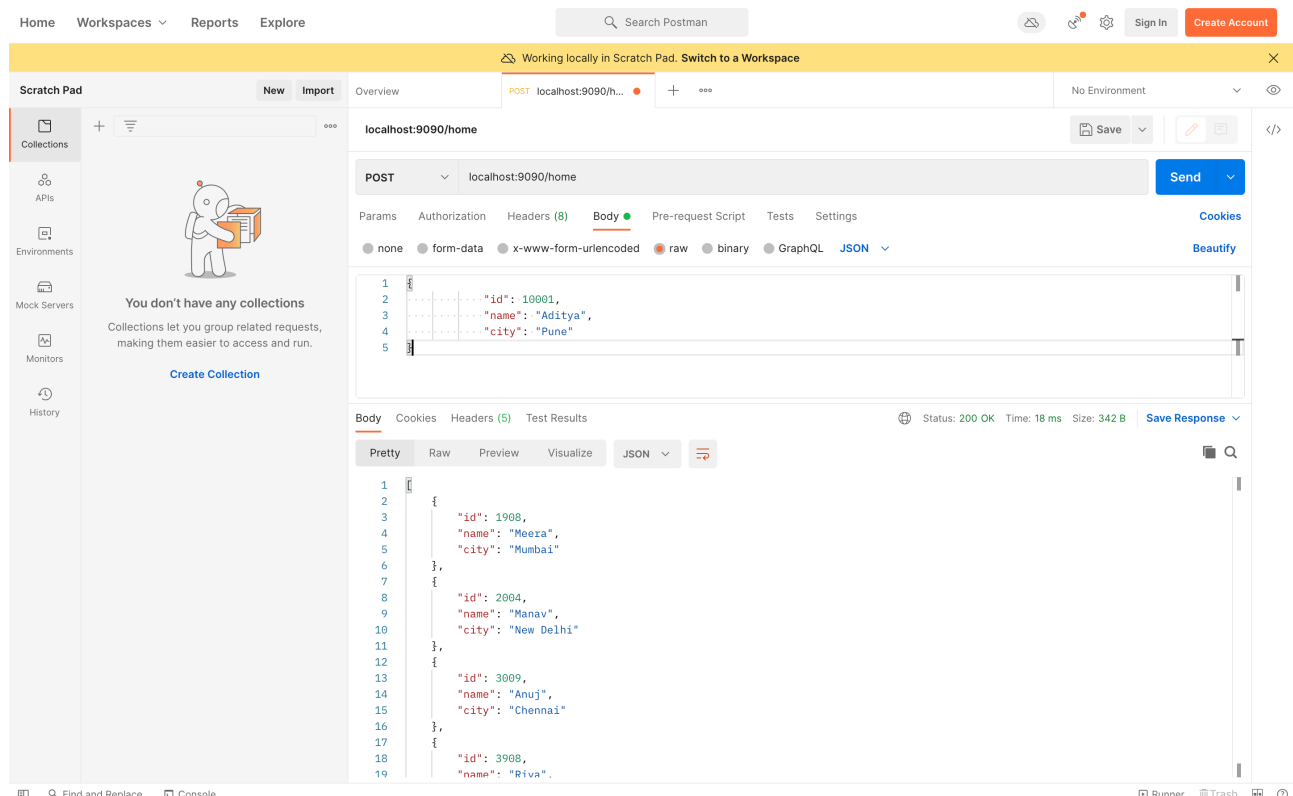
### Technology used:

- Java
- Springboot (STS)
- MySQL
- Maven
- REST api
- Postman

### CRUD Operations:

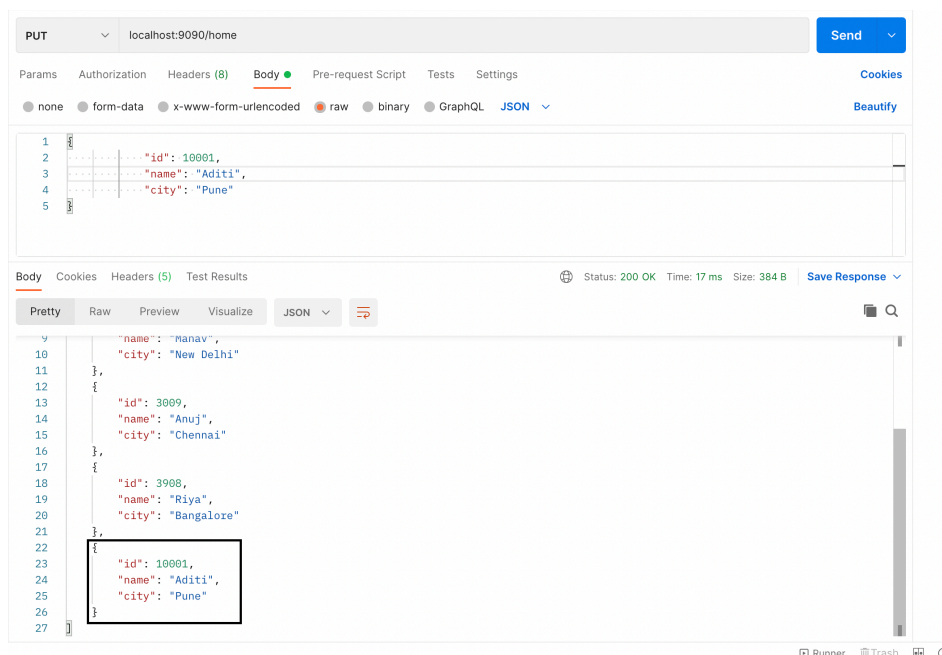
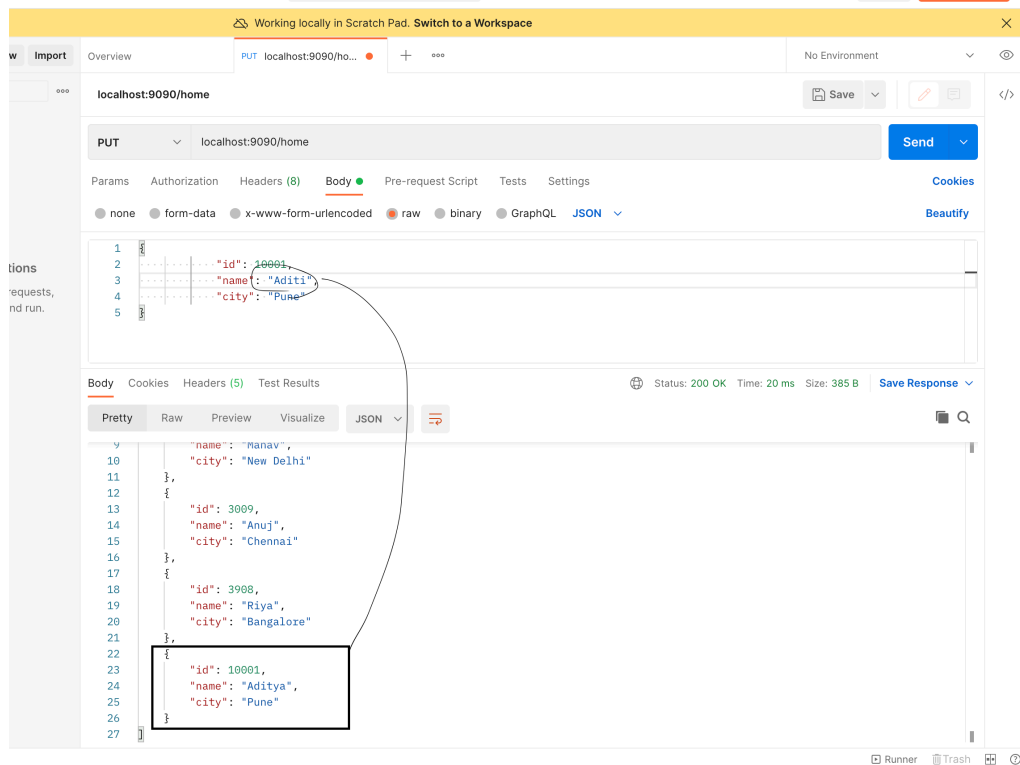
- **Create:**
  - Postman: localhost:9090/home
  - Body:

```
{  
  "id": 10001,  
  "name": "Aditya",  
  "city": "Pune"  
}
```

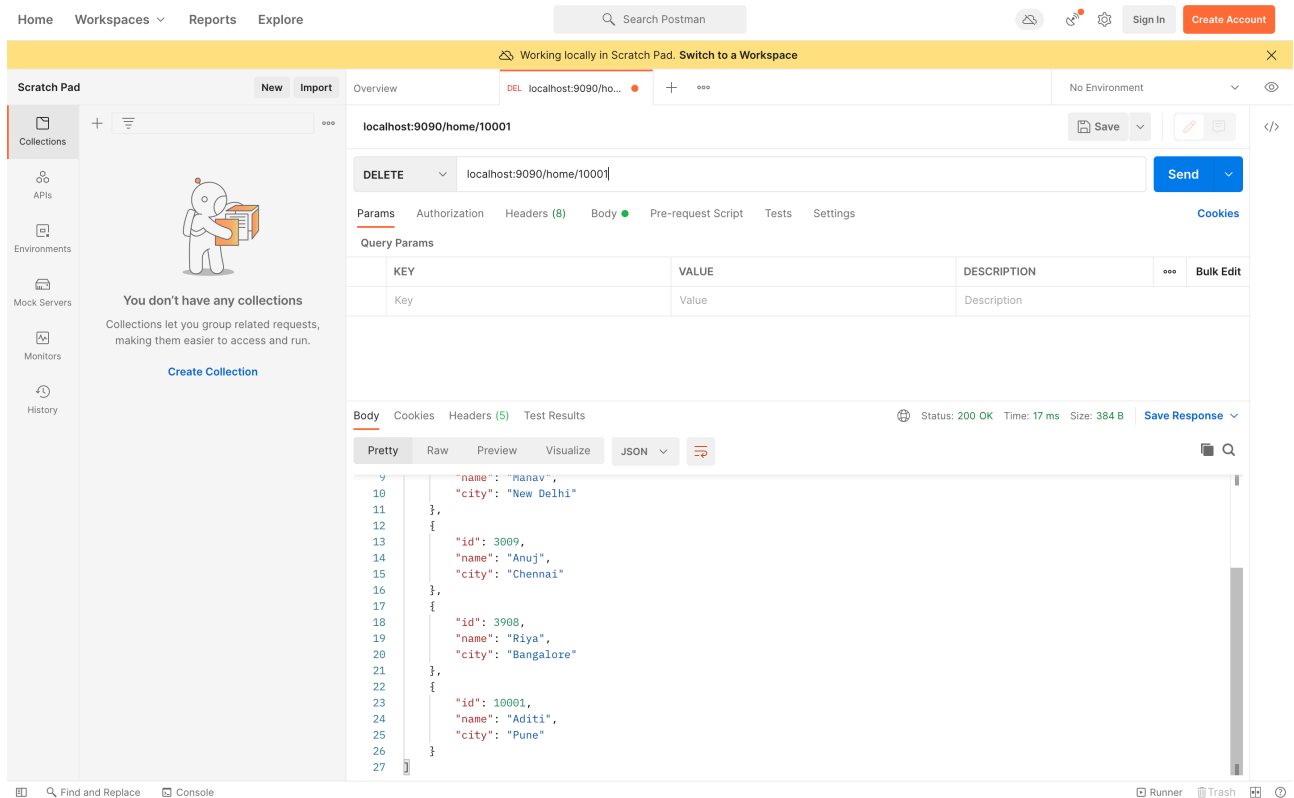


- **Update:**
  - Postman: localhost:9090/home
  - Body:
 

```
{
            "id": 10001,
            "name": "Aditi",
            "city": "Pune"
          }
```



- **Delete:**
  - Postman: localhost:9090/home/10001
  - Body: None



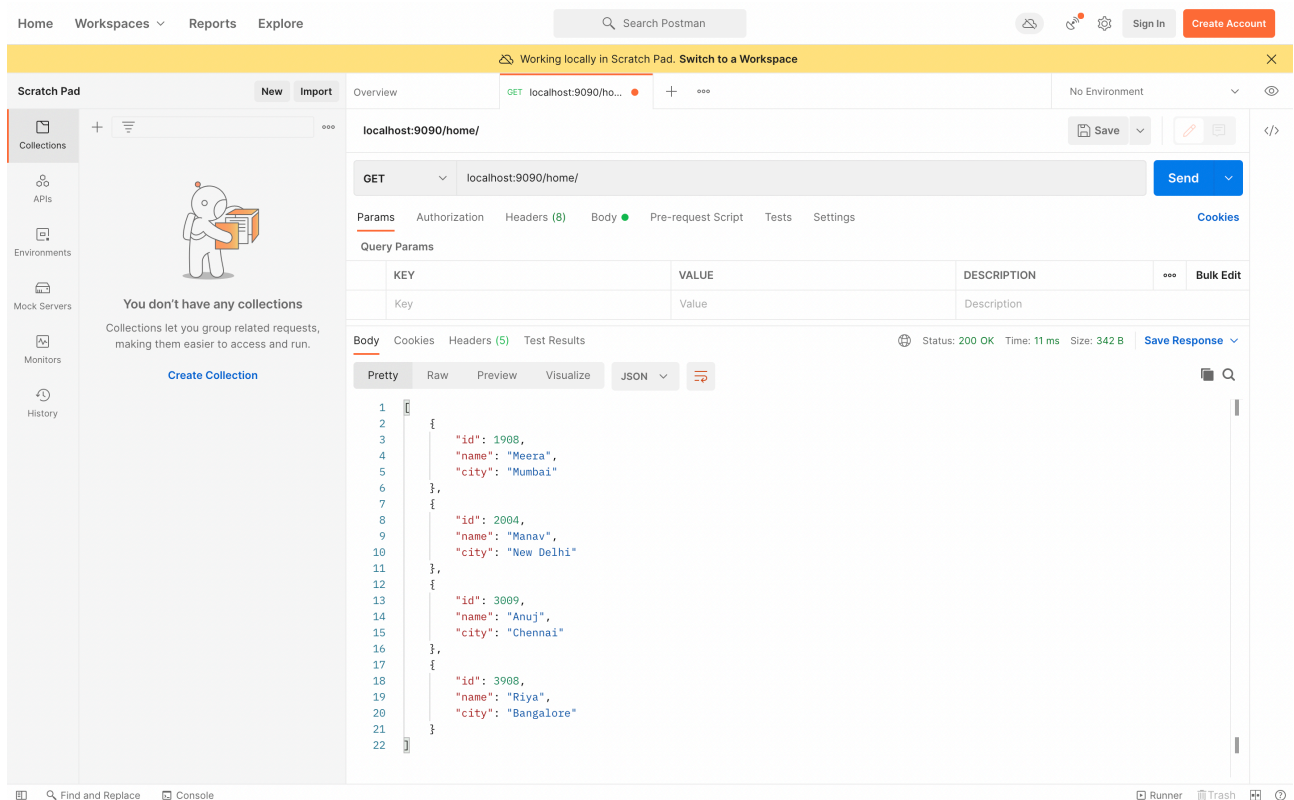
Postman interface showing a DELETE request to `localhost:9090/home/10001`. The response status is 200 OK, Time: 17 ms, Size: 384 B. The response body is a JSON array of user objects.

```

[
  {
    "id": 3009,
    "name": "Anuj",
    "city": "Chennai"
  },
  {
    "id": 3908,
    "name": "Riya",
    "city": "Bangalore"
  },
  {
    "id": 10001,
    "name": "Aditi",
    "city": "Pune"
  }
]

```

- **Show:**
  - Postman: localhost:9090/home
  - Body: None



Postman interface showing a GET request to `localhost:9090/home/`. The response status is 200 OK, Time: 11 ms, Size: 342 B. The response body is a JSON array of user objects.

```

[
  {
    "id": 1908,
    "name": "Meera",
    "city": "Mumbai"
  },
  {
    "id": 2004,
    "name": "Manav",
    "city": "New Delhi"
  },
  {
    "id": 3009,
    "name": "Anuj",
    "city": "Chennai"
  },
  {
    "id": 3908,
    "name": "Riya",
    "city": "Bangalore"
  }
]

```

## Database in MySQL:

```
amrutanandargi — mysql -u root -p — 88x31

mysql> use EmployeeDB
Reading table information for completion of table and column names
[You can turn off this feature to get a quicker startup with -A]

Database changed
mysql>
mysql>
mysql> show tables;
+-----+
| Tables_in_employeeedb |
+-----+
| employee               |
| EmployeeDetails        |
+-----+
2 rows in set (0.00 sec)

mysql>
mysql>
mysql> select * from employee;
+-----+-----+-----+
| id   | city      | name  |
+-----+-----+-----+
| 1908 | Mumbai    | Meera |
| 2004 | New Delhi | Manav |
| 3009 | Chennai   | Anuj  |
| 3908 | Bangalore | Riya  |
+-----+-----+-----+
4 rows in set (0.00 sec)

mysql> █
```