Employee Management System using SpringBoot/Mysql

This project is an Employee Management System built using Spring Boot and MySQL. To verify that the application works correctly, I tested every operation of the API using Postman. Each operation is also reflected correctly in the Spring Boot console, which confirms that the backend and the database are connected properly.

I first tested the create operation by sending a POST request to add a new employee. The API accepted the data, saved it into the database, and responded with the employee details including the generated ID. The console also showed the Hibernate queries running successfully.

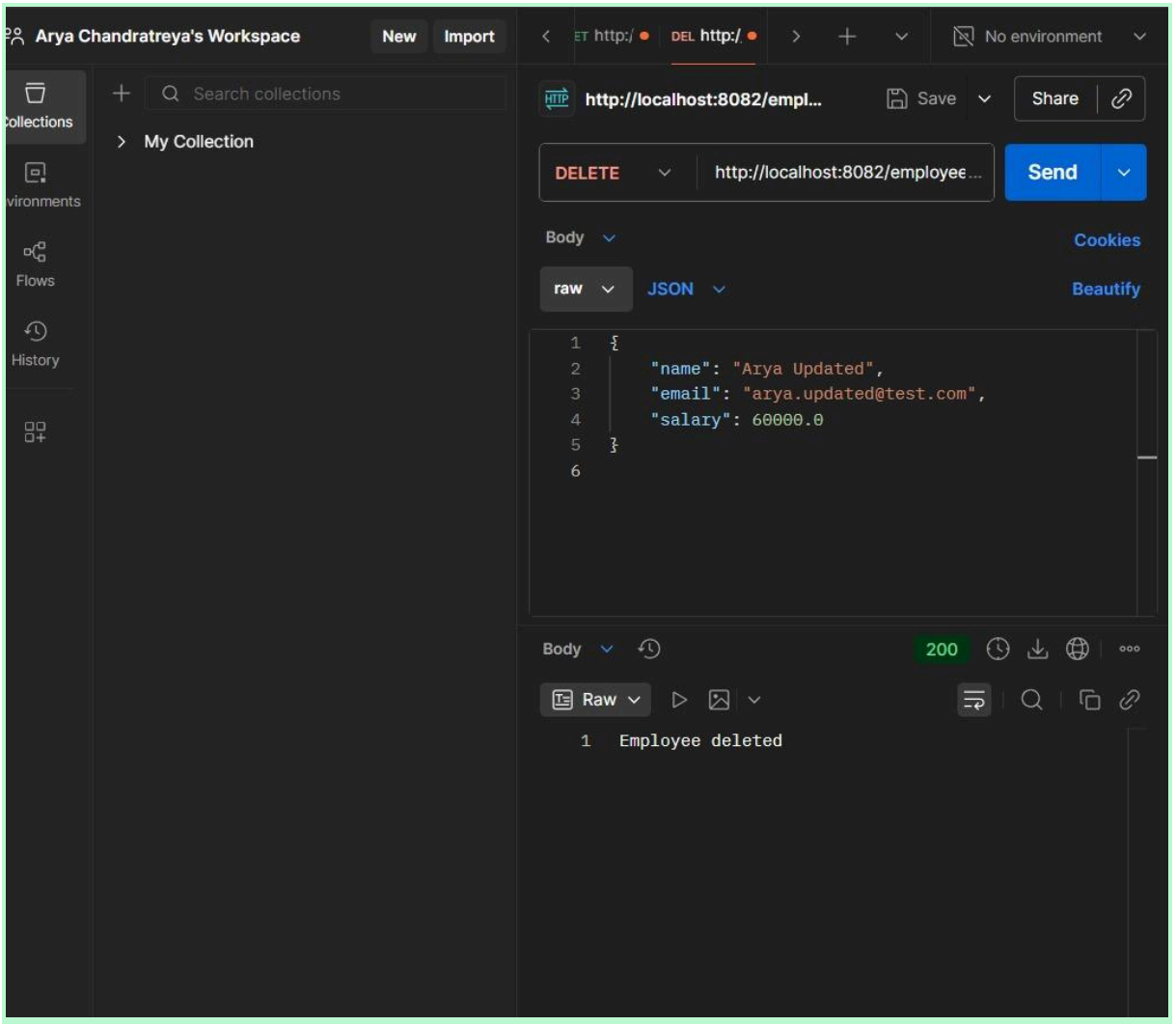
Next, I tested the read operations. Using the GET request for a specific employee ID, the correct data was returned exactly as stored in the database. I also tested the GET request that returns all employees, and it displayed the full list of records, showing that the retrieval logic is working perfectly.

For the update operation, I sent a PUT request with a modified name, email, and salary. The employee details were updated in the database, and the changes were visible when retrieving the same employee again. This confirms that the update flow is functioning correctly.

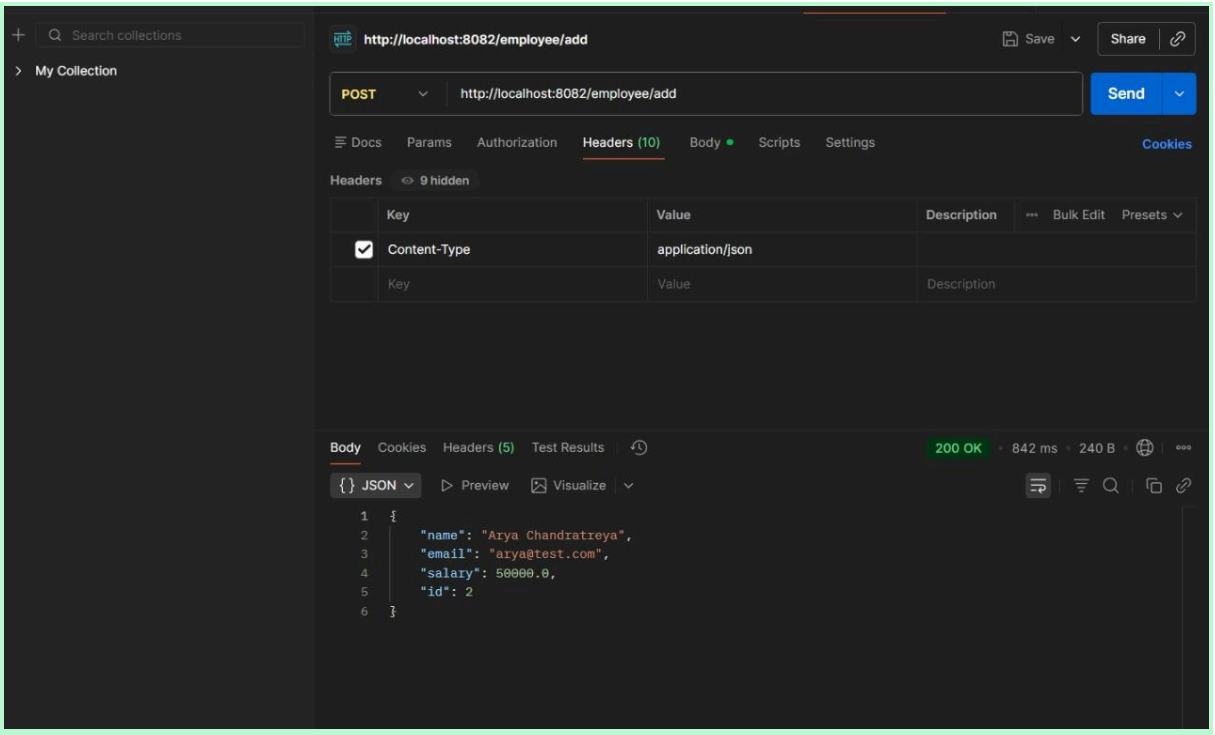
Finally, I tested the delete operation. After sending a DELETE request for a specific ID, the record was removed successfully. A follow-up check showed that the employee no longer existed, proving that deletion works as expected.

All the screenshots included below show the actual Postman responses during testing. Every operation behaved correctly and consistently. This confirms that the CRUD features in the application are working end-to-end with proper database interaction.
Also the results were visible in STS in which we created our spring project.

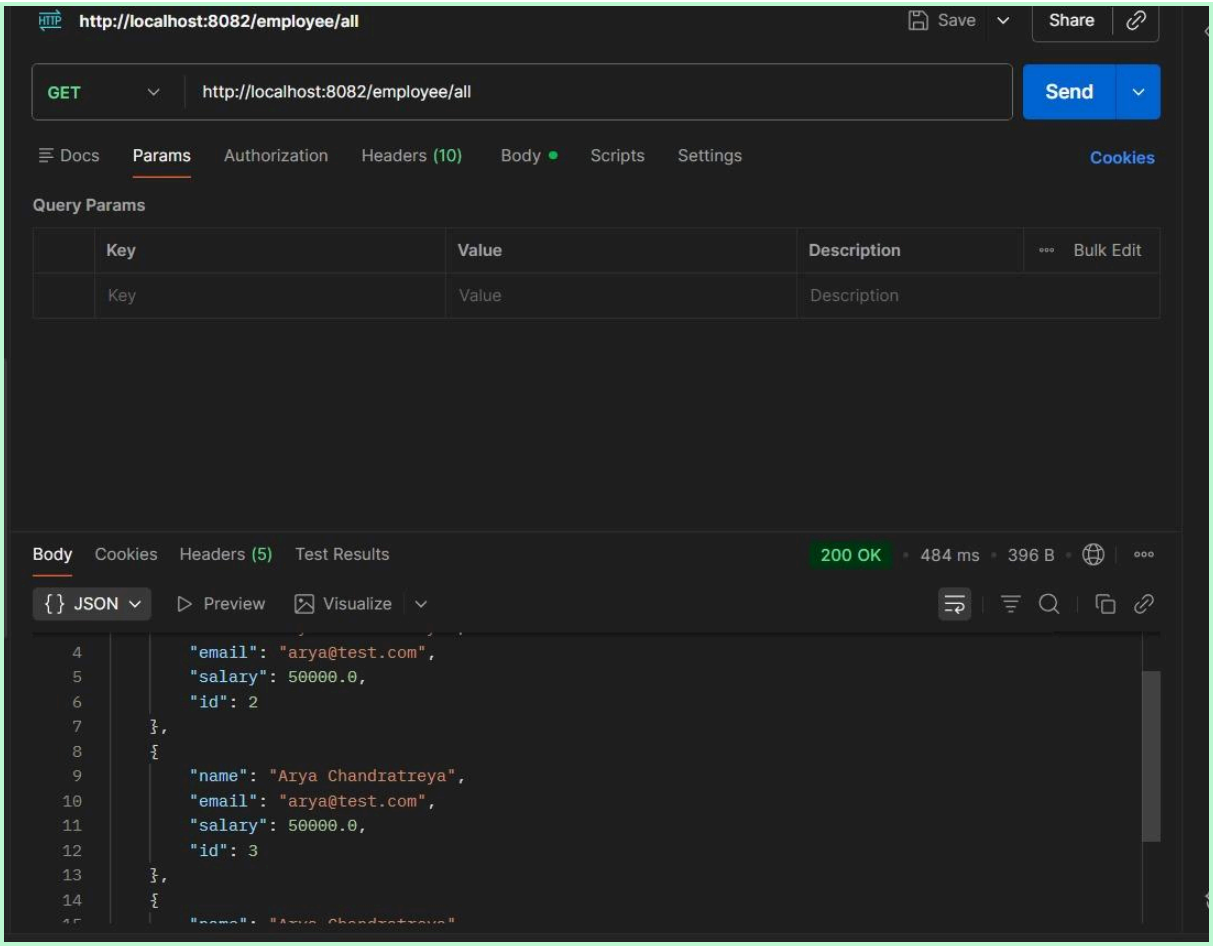
DELETE OPERATION



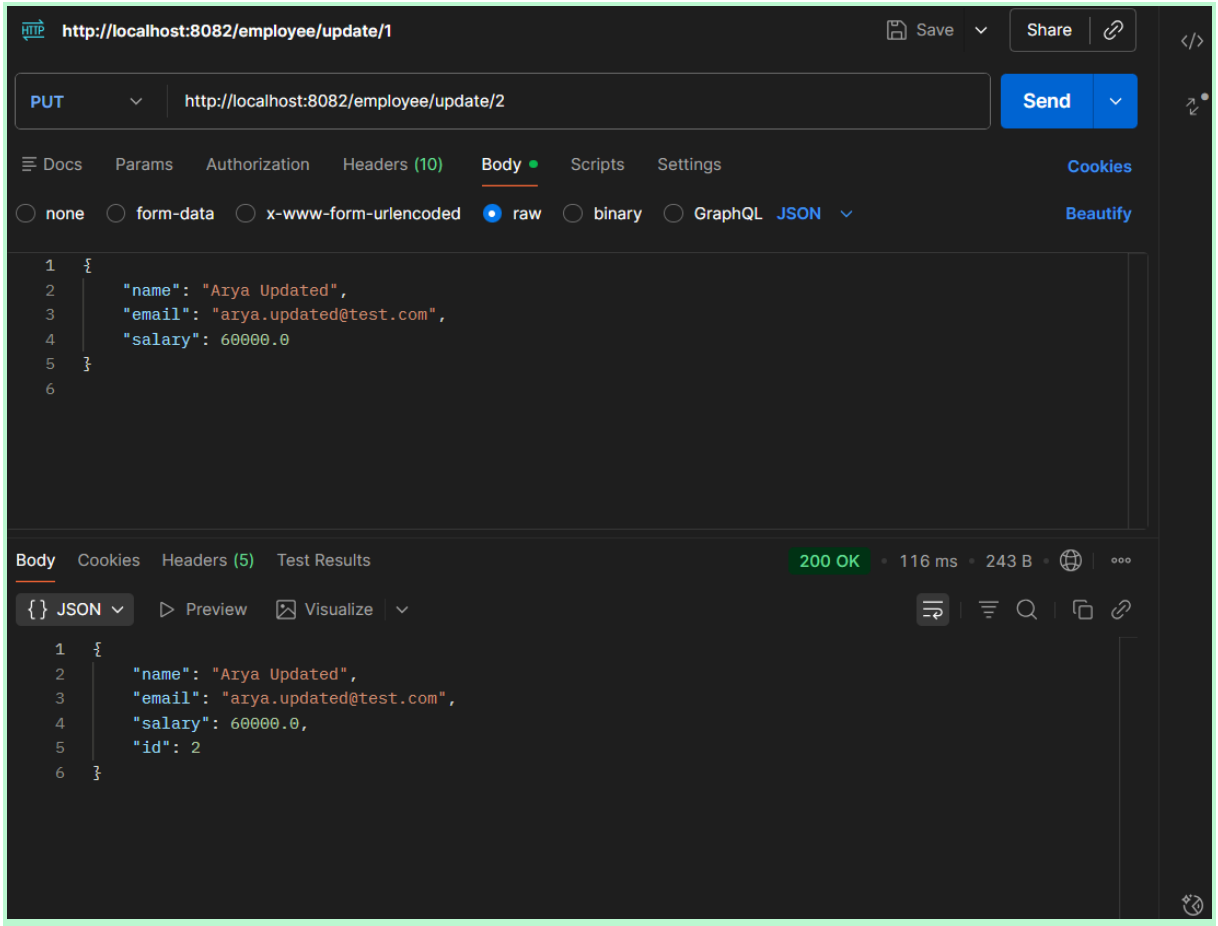
ADD DATA



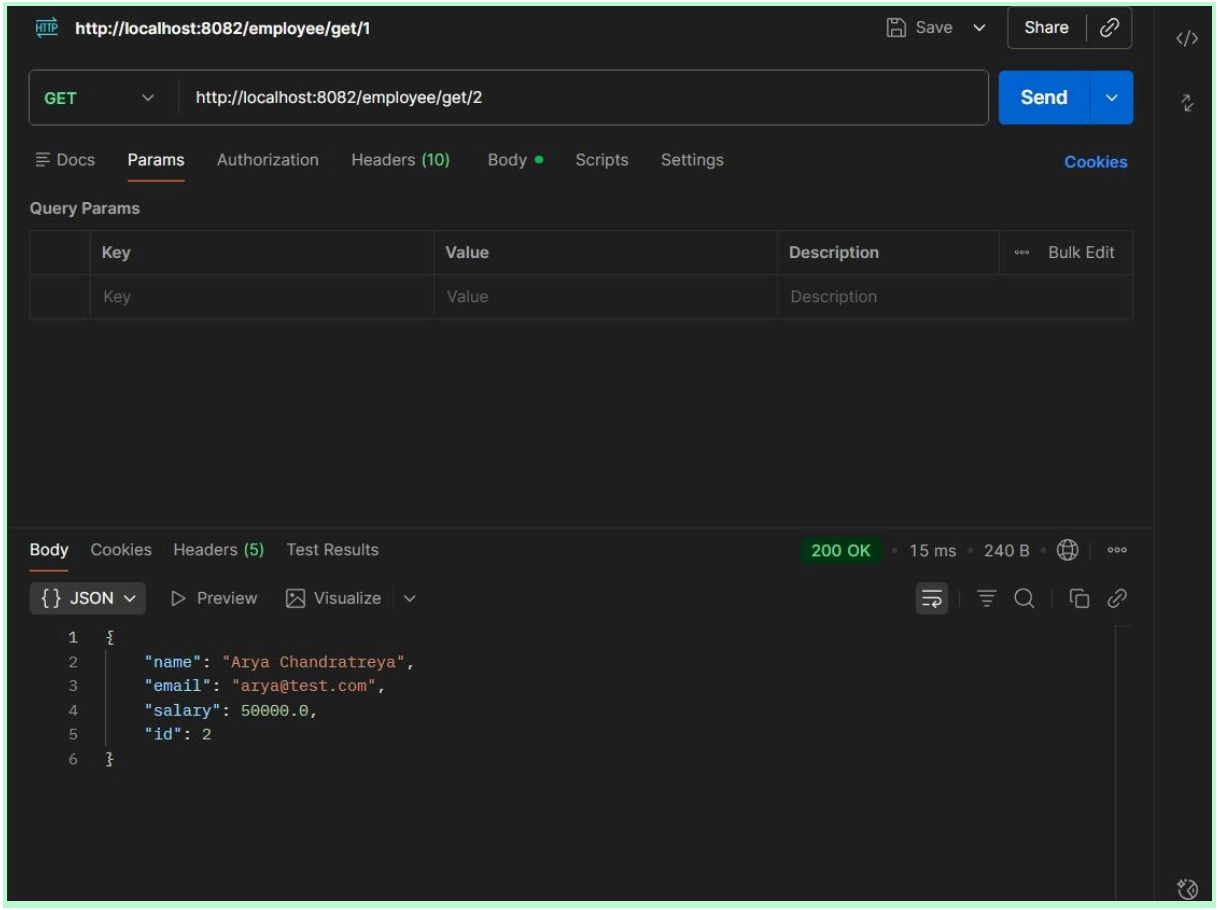
GET ALL



UPDATE DATA


http://localhost:8082/employee/update/1
Save
Share
PUT
http://localhost:8082/employee/update/2
Send
Docs
Params
Authorization
Headers (10)
Body
Scripts
Settings
Cookies
none
form-data
x-www-form-urlencoded
raw
binary
GraphQL
JSON
Beautify
{
"name": "Arya Updated",
"email": "arya.updated@test.com",
"salary": 60000.0
}
Body
Cookies
Headers (5)
Test Results
200 OK
116 ms
243 B
JSON
Preview
Visualize
{
"name": "Arya Updated",
"email": "arya.updated@test.com",
"salary": 60000.0,
"id": 2
}

GET DATA


http://localhost:8082/employee/get/1
Save
Share
GET
http://localhost:8082/employee/get/2
Send
Docs
Params
Authorization
Headers (10)
Body
Scripts
Settings
Cookies
Query Params
Key
Value
Description
Bulk Edit
Key
Value
Description
Body
Cookies
Headers (5)
Test Results
200 OK
15 ms
240 B
JSON
Preview
Visualize
{
"name": "Arya Chandratreya",
"email": "arya@test.com",
"salary": 50000.0,
"id": 2
}