

Graded Project - Spring Rest

Group :6A-5S

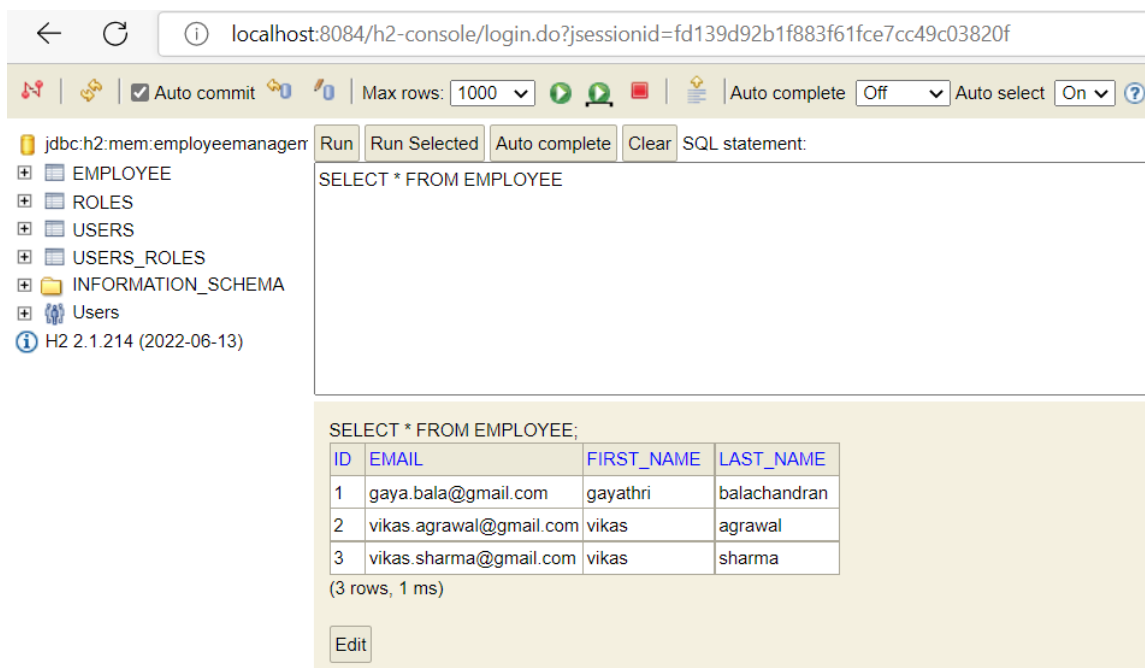
Group Members: Gayathri Balachandran (group leader), Vinod Bhat, Vikash Kumar, Vandana Malhotra

ENDPOINTS TESTING USING POSTMAN REQUIREMENTS 6 TO 7:

// 6. Your application should provide an endpoint to update an existing employee

// record with the given updated json object

H2 DB before dynamic update:

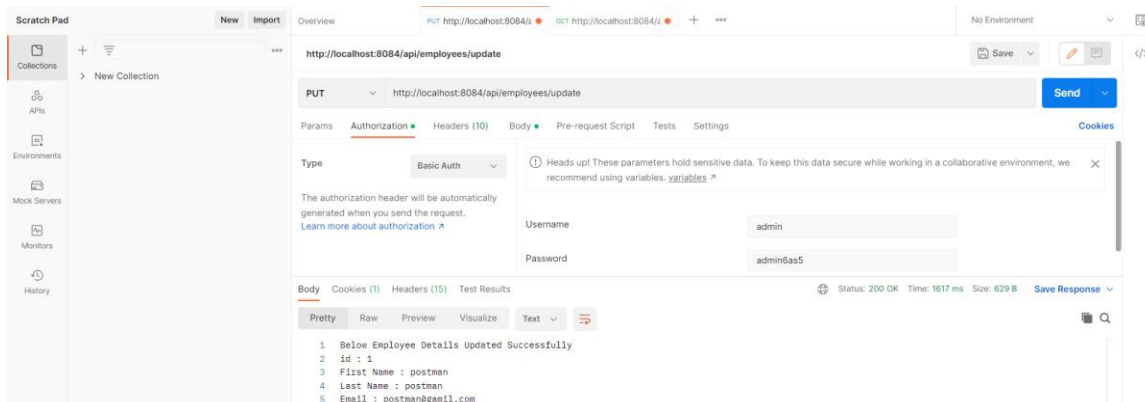


The screenshot shows the H2 console interface. The URL bar indicates the connection to localhost:8084/h2-console. The left sidebar shows the database schema with tables EMPLOYEE, ROLES, USERS, and INFORMATION_SCHEMA. The main area displays the SQL statement 'SELECT * FROM EMPLOYEE' and its result set. The result set contains three rows of employee data.

ID	EMAIL	FIRST_NAME	LAST_NAME
1	gaya.bala@gmail.com	gayathri	balachandran
2	vikas.agrawal@gmail.com	vikas	agrawal
3	vikas.sharma@gmail.com	vikas	sharma

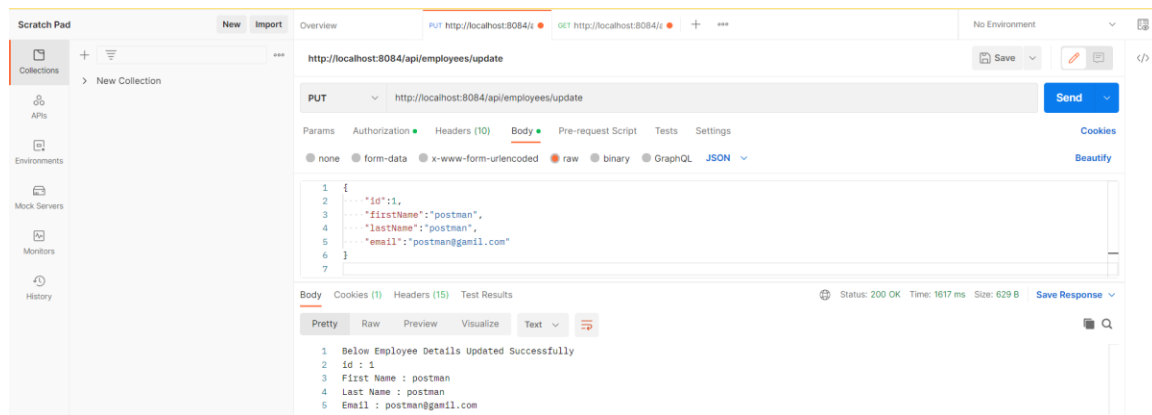
(3 rows, 1 ms)

Update operation using endpoints using admin authorization:

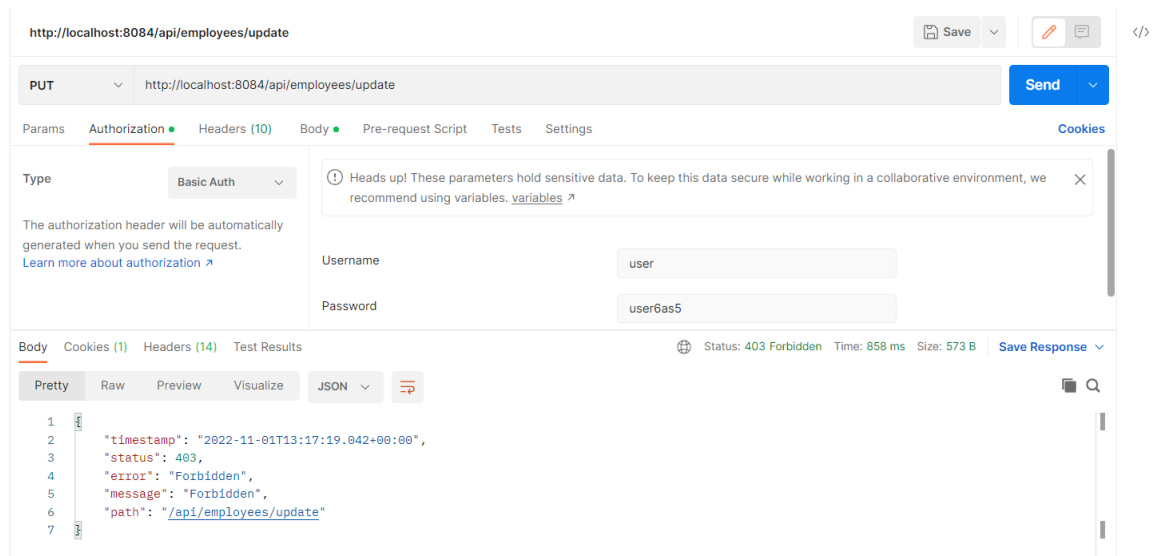


The screenshot shows the Postman interface. The request is a PUT to http://localhost:8084/api/employees/update. The Authorization tab is selected, showing Basic Auth with Username 'admin' and Password 'admin6as5'. The response is a 200 OK status with a JSON body containing employee details.

```
1 Below Employee Details Updated Successfully
2 id : 1
3 First Name : postman
4 Last Name : postman
5 Email : postman@gmail.com
```

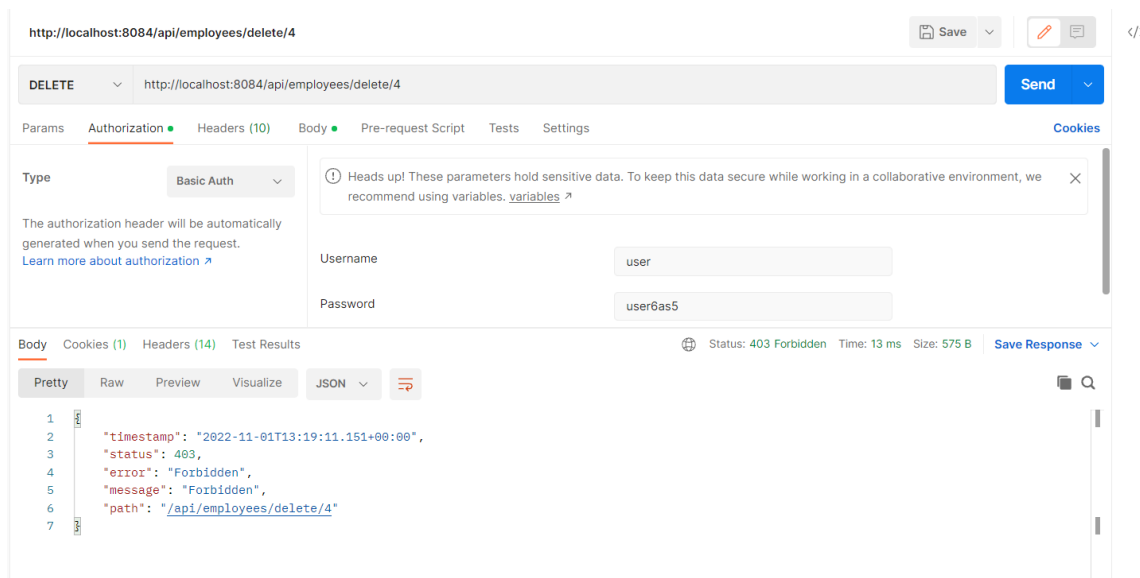


We are only giving update access to admin. If we try with user, we get 403 status forbidden:

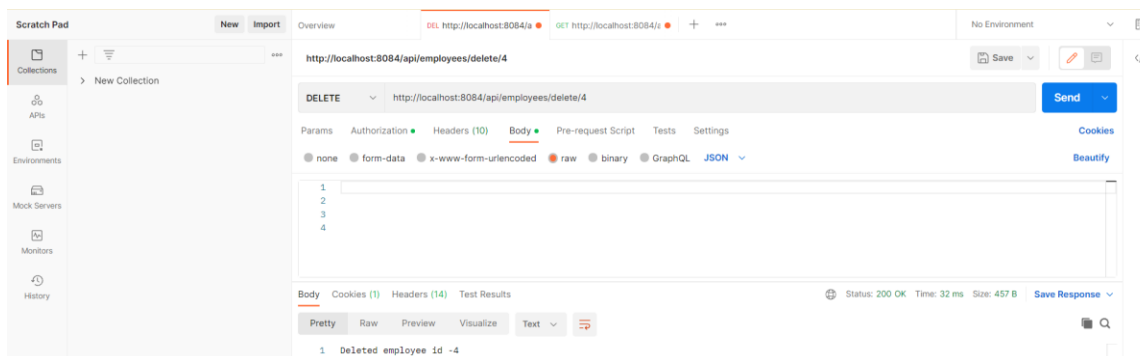
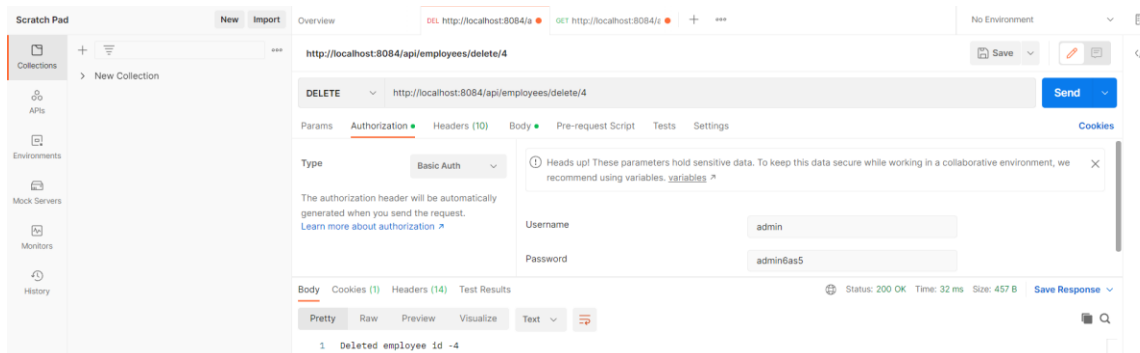


// 7. Your application should also provide an endpoint to delete an existing employee record based on the id of the employee

With user authorization, we are not giving access to delete:



With admin authorization, we are giving access to delete as below:



H2 DB:

← ↻ ⓘ localhost:8084/h2-console/login.do?jsessionId=fd139d92b1f883f61fce7cc49c03820f

🔌 jdbc:h2:mem:employeeemanager Run Run Selected Auto complete Clear SQL statement:

EMPLOYEE ROLES USERS USERS_ROLES INFORMATION_SCHEMA Users H2 2.1.214 (2022-06-13)

SELECT * FROM EMPLOYEE

SELECT * FROM EMPLOYEE;

ID	EMAIL	FIRST_NAME	LAST_NAME
1	postman@gamil.com	postman	postman
2	vikas.agrawal@gmail.com	vikas	agrawal
3	vikas.sharma@gmail.com	vikas	sharma

(3 rows, 1 ms)

Edit

Once the deletion is done, if we try to delete a row that does not exist with admin authorization, we get below message:

http://localhost:8084/api/employees/delete/4 Save

DELETE http://localhost:8084/api/employees/delete/4 Send

Params Authorization Headers (10) Body Pre-request Script Tests Settings Cookies

Type Basic Auth ⓘ Heads up! These parameters hold sensitive data. To keep this data secure while working in a collaborative environment, we recommend using variables. [variables](#)

The authorization header will be automatically generated when you send the request. [Learn more about authorization](#)

Username admin

Password admin6as5

Body Cookies (1) Headers (14) Test Results Status: 200 OK Time: 912 ms Size: 467 B Save Response

Pretty Raw Preview Visualize Text

1 There is no Employee with id : 4