

Graded Project - Spring Rest

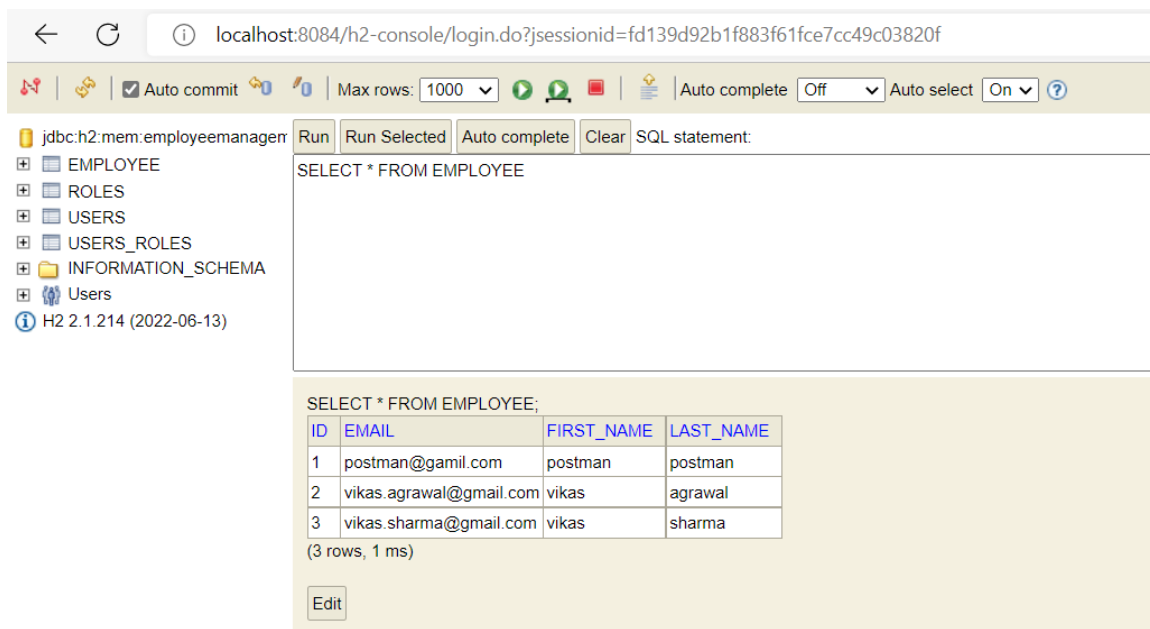
Group :6A-5S

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ENDPOINTS TESTING USING POSTMAN REQUIREMENTS 8 TO 9:

// 8. Your application should provide an endpoint to fetch an employee by
// his/her first name and if found more than one record then list them all

H2 DB:

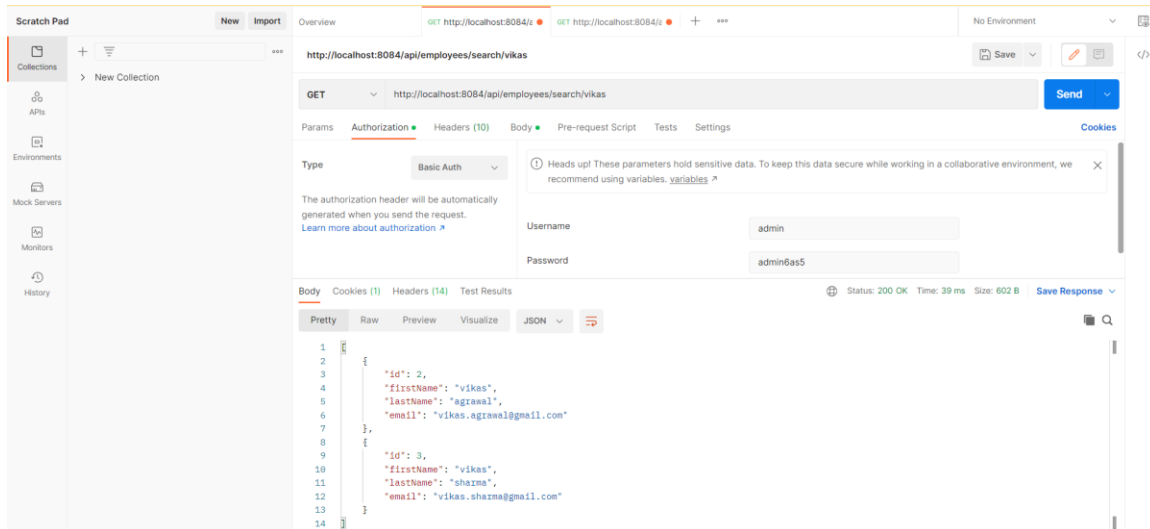


The screenshot shows the H2 console interface. The URL bar indicates the connection to localhost:8084/h2-console/login.do?sessionId=fd139d92b1f883f61fce7cc49c03820f. The left sidebar shows the database schema with tables EMPLOYEE, ROLES, USERS, and USERS_ROLES, and a folder INFORMATION_SCHEMA. The main area displays the SQL statement 'SELECT * FROM EMPLOYEE' and its results in a table format.

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)

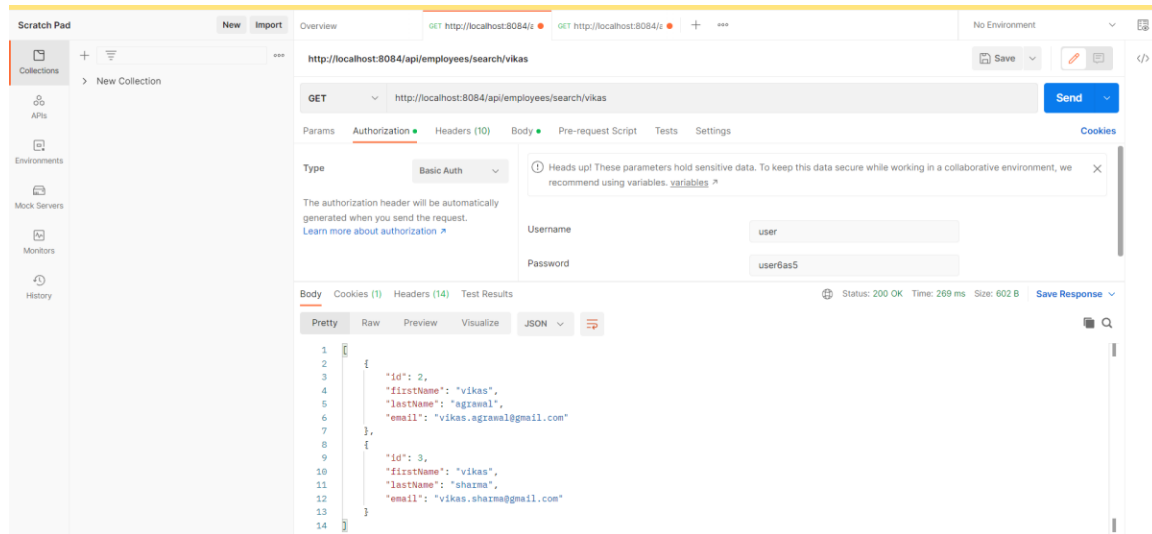
using admin authorization



The screenshot shows the Postman interface. The request is a GET to http://localhost:8084/api/employees/search/vikas. The Authorization tab is selected, showing Basic Auth with Username 'admin' and Password 'admin6as5'. The response is a JSON array of employee objects, displayed in the Pretty view.

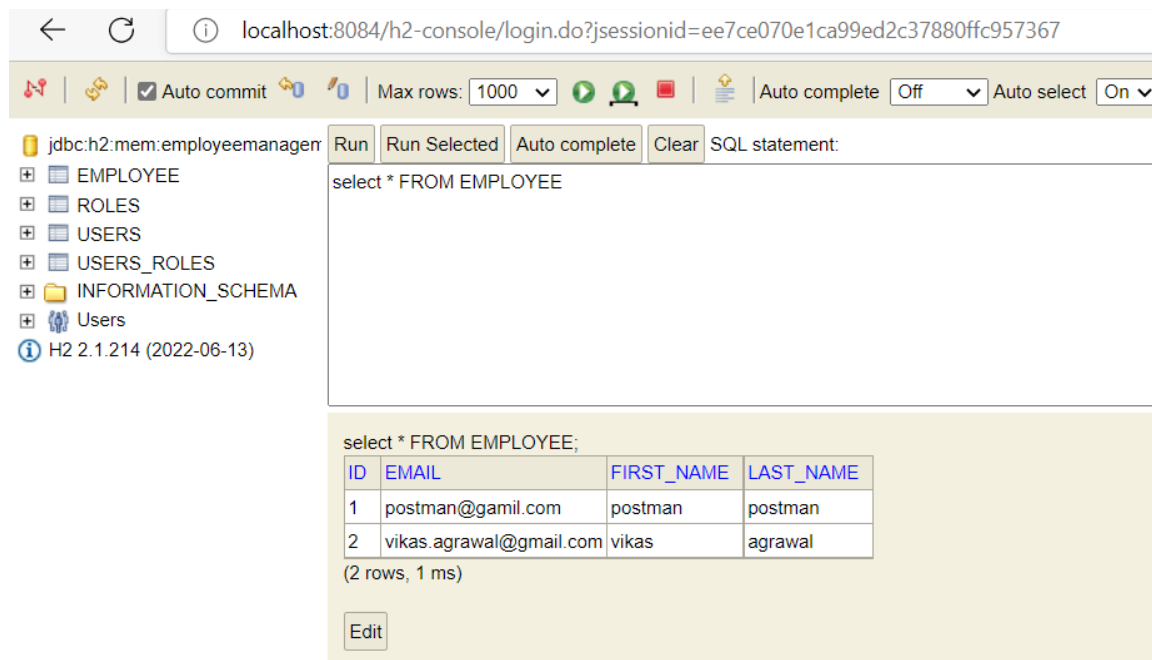
```
1 {
2   "id": 2,
3   "firstName": "vikas",
4   "lastName": "agrawal",
5   "email": "vikas.agrawal@gmail.com"
6 },
7 {
8   "id": 3,
9   "firstName": "vikas",
10  "lastName": "sharma",
11  "email": "vikas.sharma@gmail.com"
12 }
13 ]
14
```

using user authorization



// 9. Your application should be able to list all employee records sorted on
 // their first name in either ascending order or descending order

H2 DB:



sort order ascending:

Scratch Pad New Import Overview GET http://localhost:8084/ GET http://localhost:8084/ + ... No Environment

Collections + ... New Collection

APIs Environments Mock Servers Monitors History

http://localhost:8084/api/employees/sort?order=asc

GET http://localhost:8084/api/employees/sort?order=asc Send

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

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/> order	asc			
Key	Value	Description		

Body Cookies (1) Headers (14) Test Results Status: 200 OK Time: 15 ms Size: 600 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   {
3     "id": 1,
4     "firstName": "postman",
5     "lastName": "postman",
6     "email": "postman@gamil.com"
7   },
8   {
9     "id": 2,
10    "firstName": "vikas",
11    "lastName": "agrawal",
12    "email": "vikas.agrawal@gmail.com"
13  }
14 }
```

sort order descending:

Scratch Pad New Import Overview GET http://localhost:8084/ GET http://localhost:8084/ + ... No Environment

Collections + ... New Collection

APIs Environments Mock Servers Monitors History

http://localhost:8084/api/employees/sort?order=desc

GET http://localhost:8084/api/employees/sort?order=desc Send

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

Query Params

KEY	VALUE	DESCRIPTION	...	Bulk Edit
<input checked="" type="checkbox"/> order	desc			
Key	Value	Description		

Body Cookies (1) Headers (14) Test Results Status: 200 OK Time: 10 ms Size: 600 B Save Response

Pretty Raw Preview Visualize JSON

```
1 {
2   {
3     "id": 2,
4     "firstName": "vikas",
5     "lastName": "agrawal",
6     "email": "vikas.agrawal@gmail.com"
7   },
8   {
9     "id": 1,
10    "firstName": "postman",
11    "lastName": "postman",
12    "email": "postman@gamil.com"
13  }
14 }
```