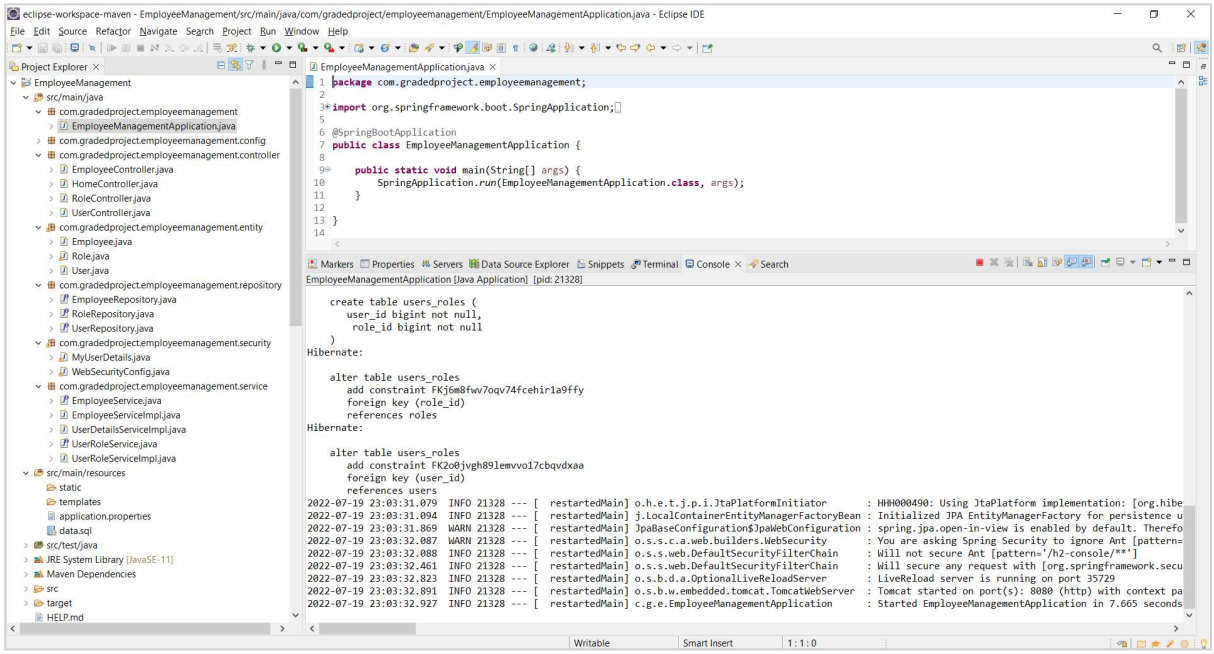
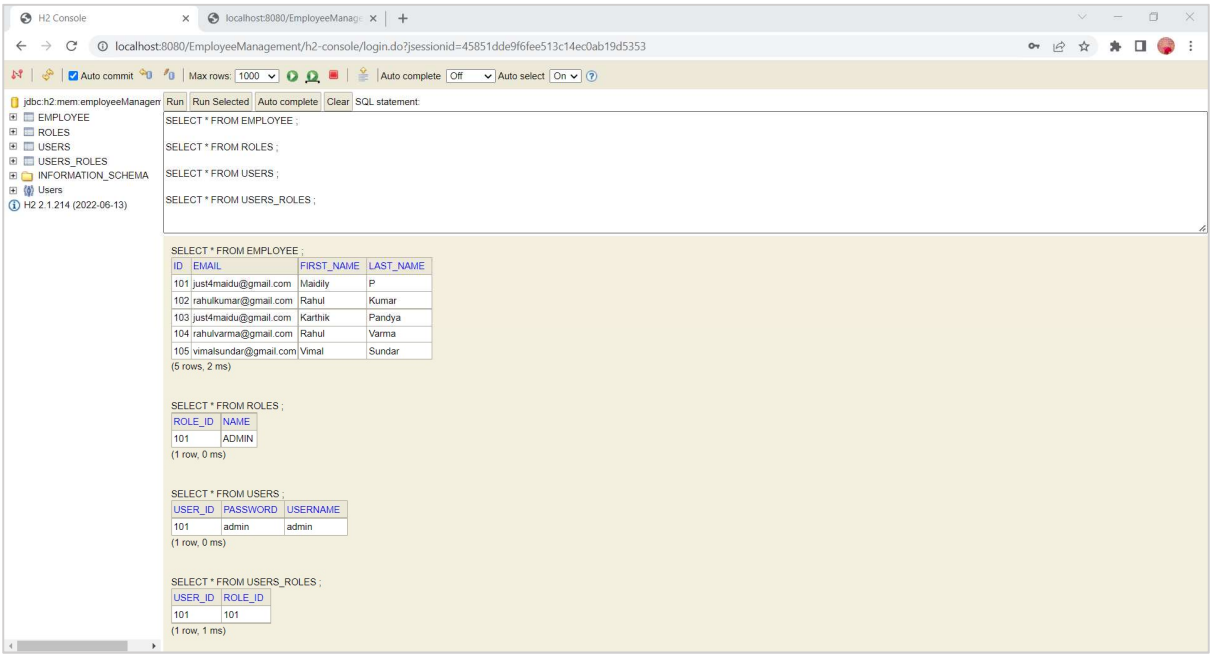
Graded Assignment 4 – Spring REST

Screenshots of Solution

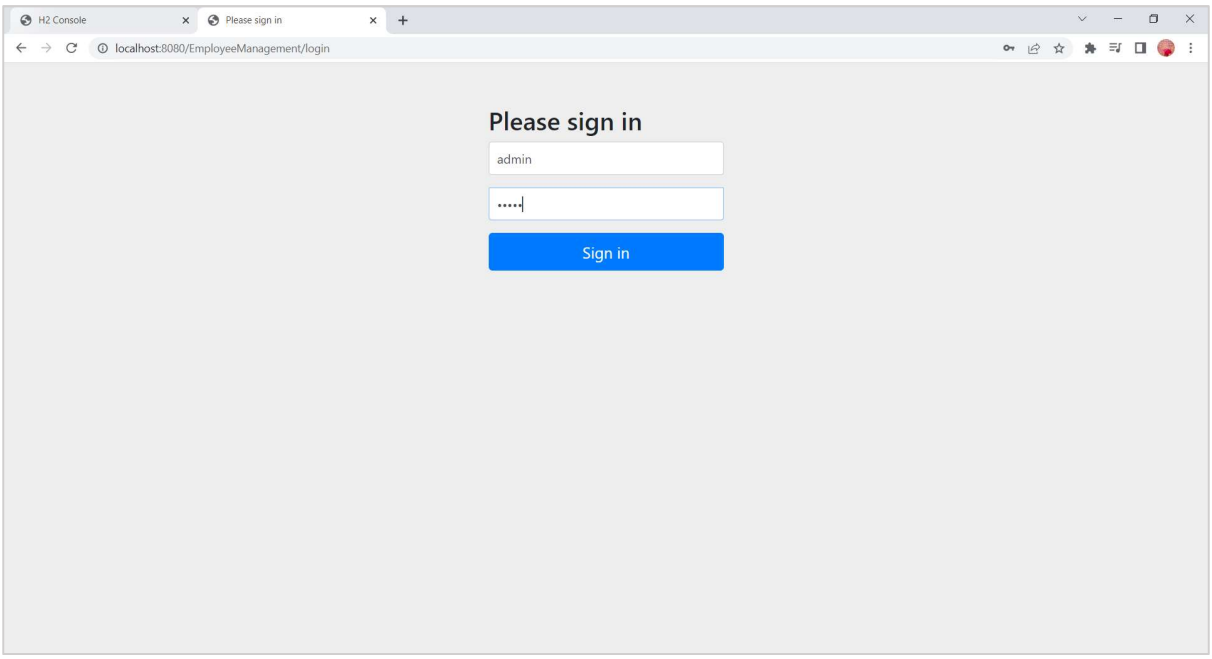
Project Structure – Server started & application running:



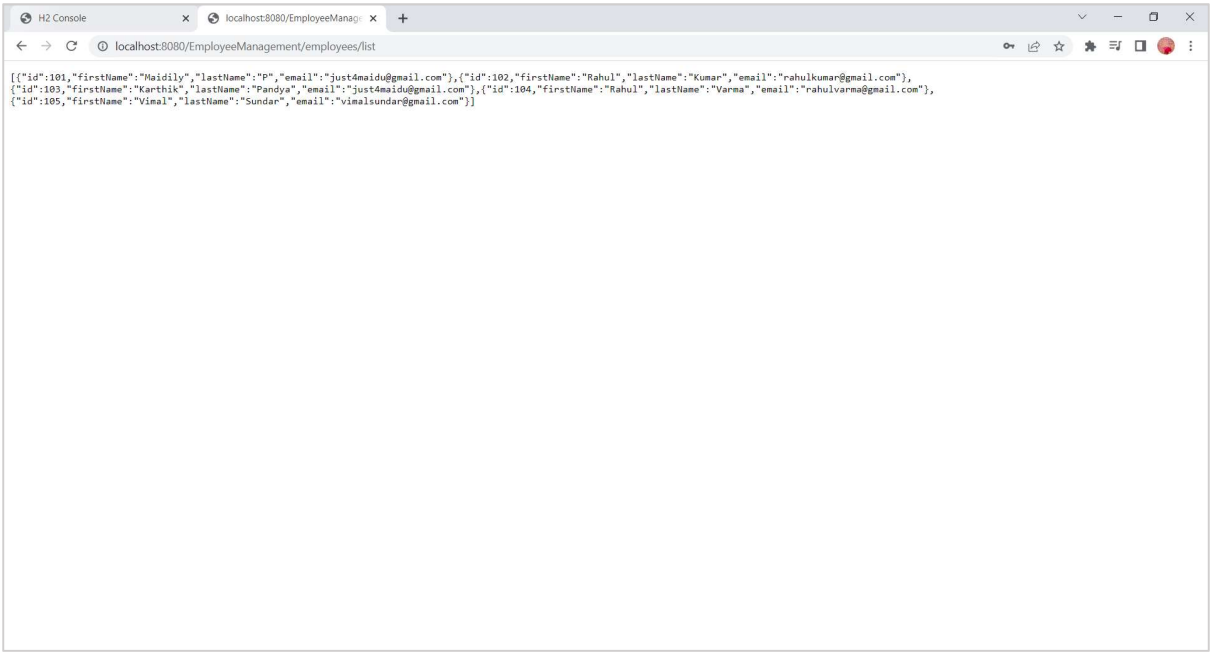
Initial entries inserted in H2-console: (during application start)



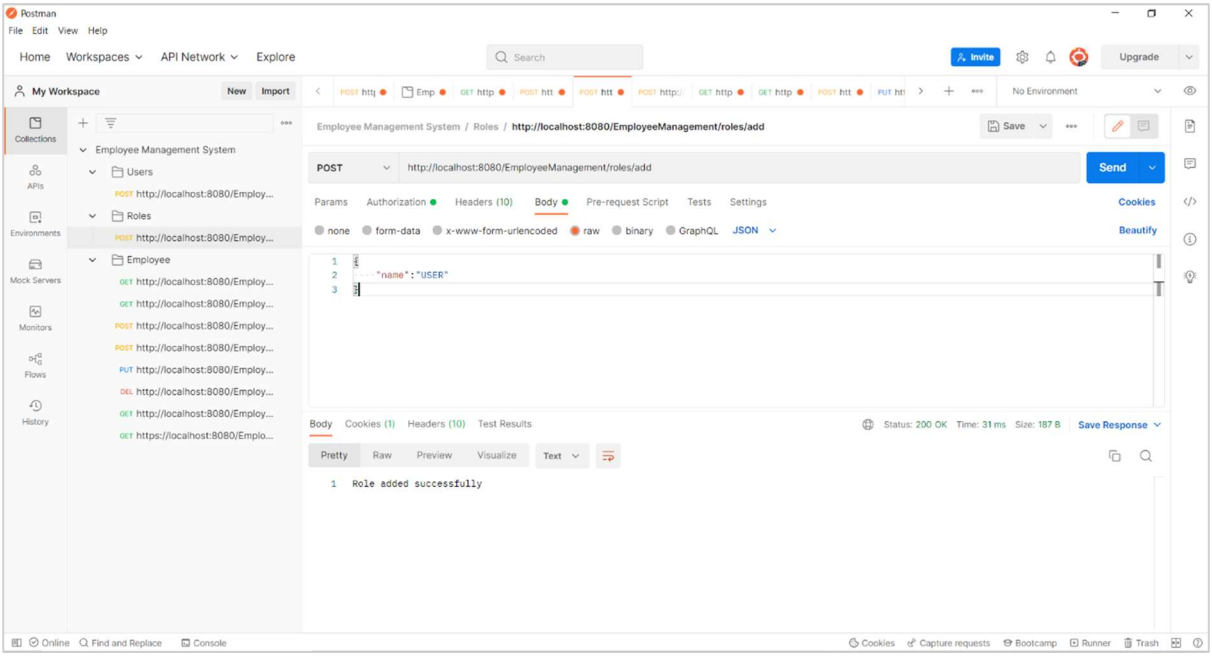
Initial authentication using default ADMIN user:



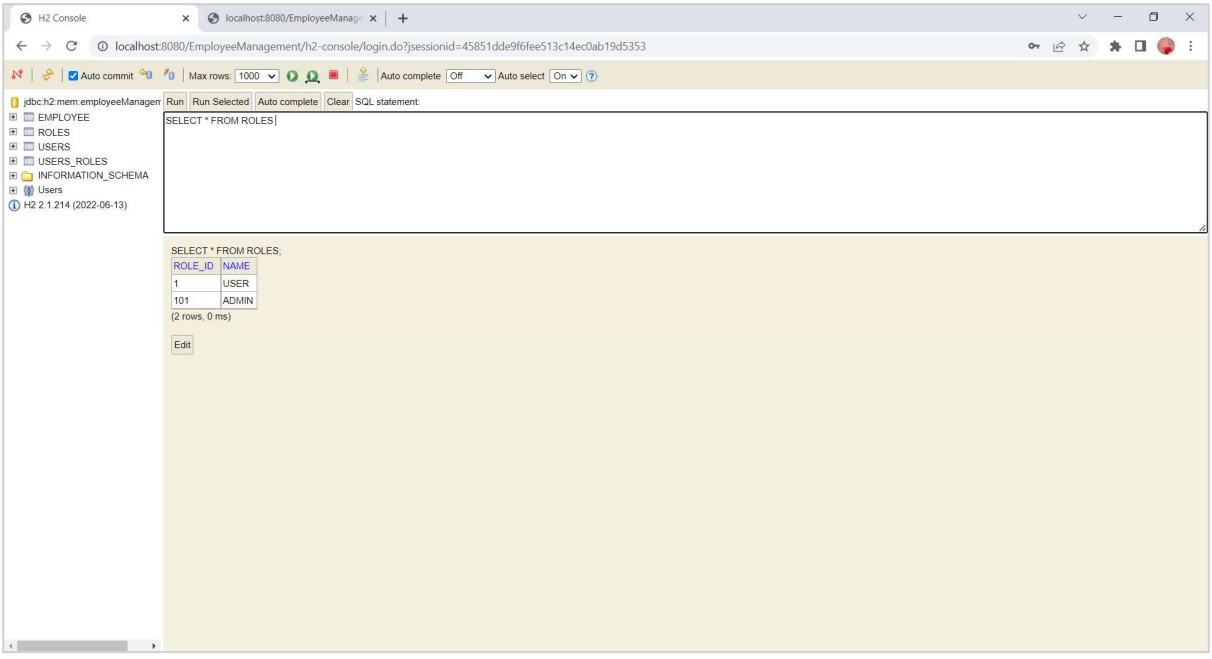
Retrieving list of employees from browser:



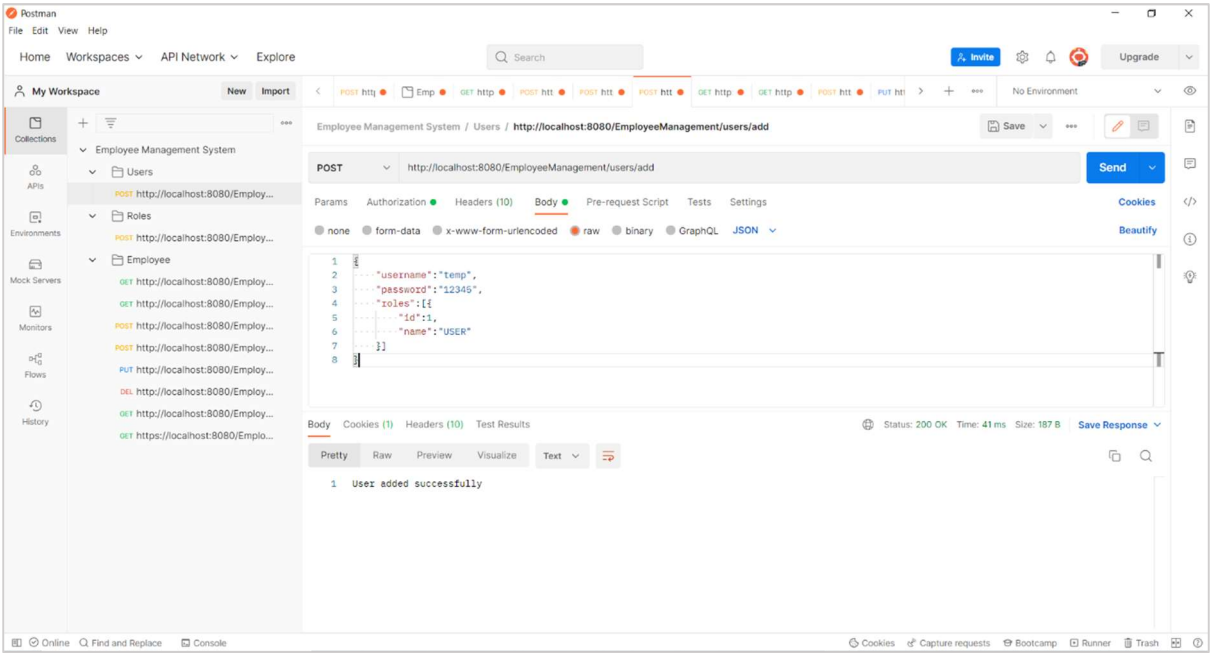
In Postman – Add new Role: (USER)



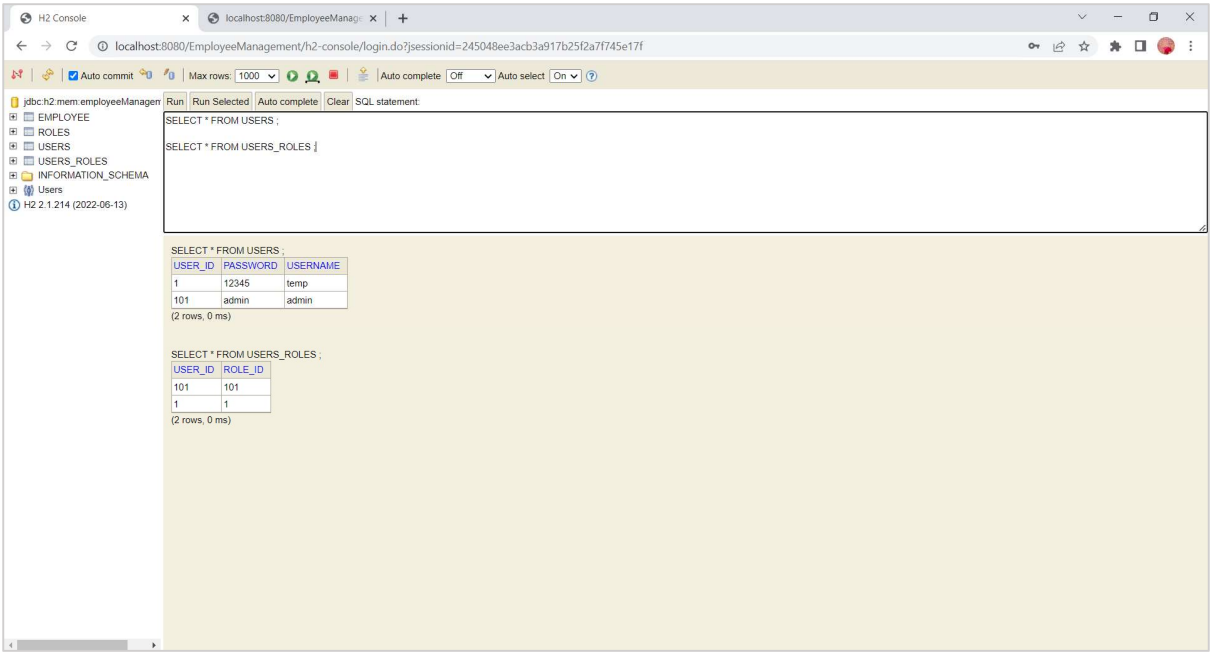
New role addition reflecting in H2-console:



In Postman – Add new User Data for Authentication:

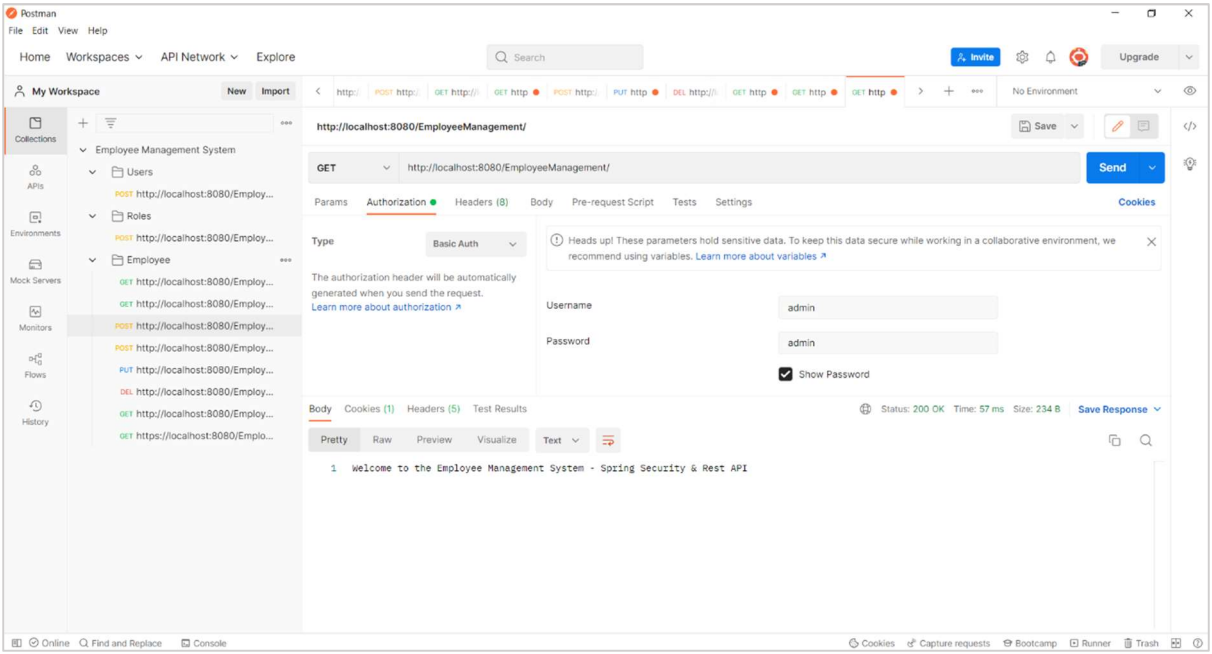


New User data addition reflecting in H2-console:

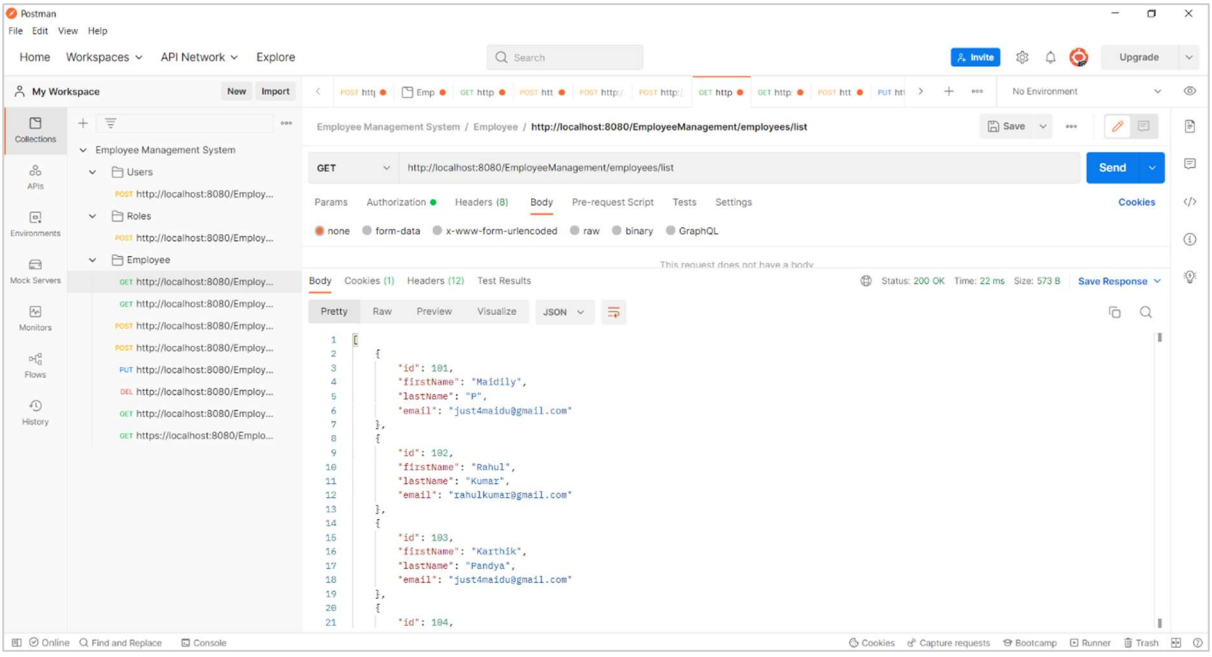


CRUD Operations using REST API:

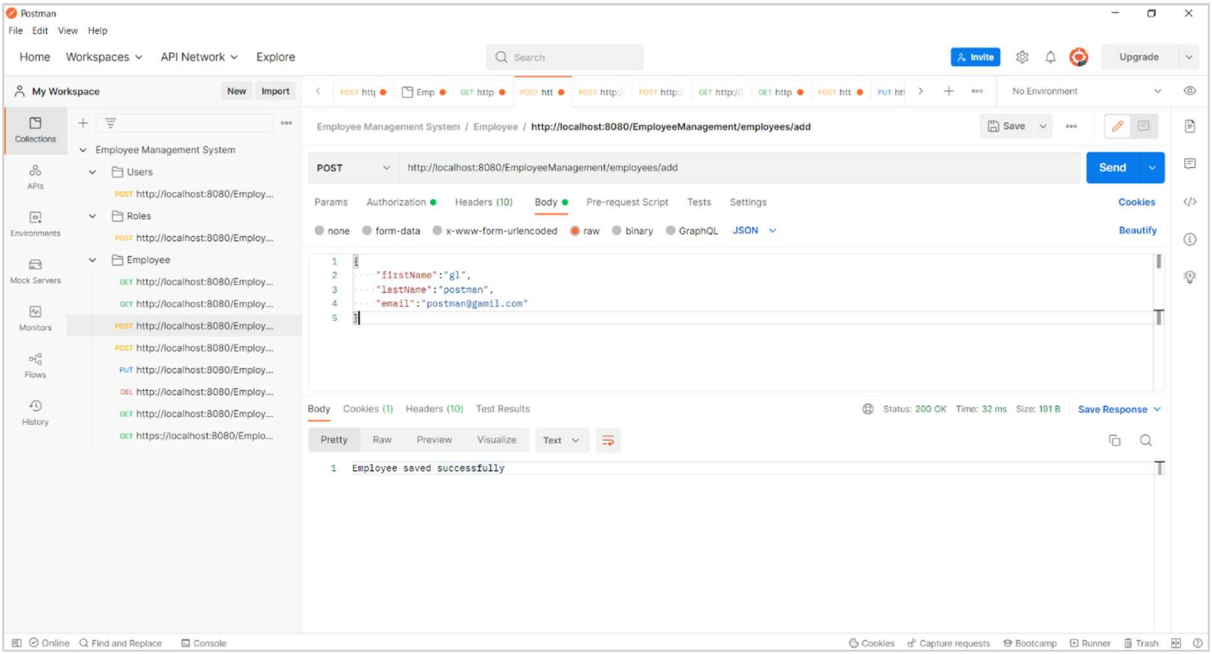
Hitting Welcome/Home endpoint:



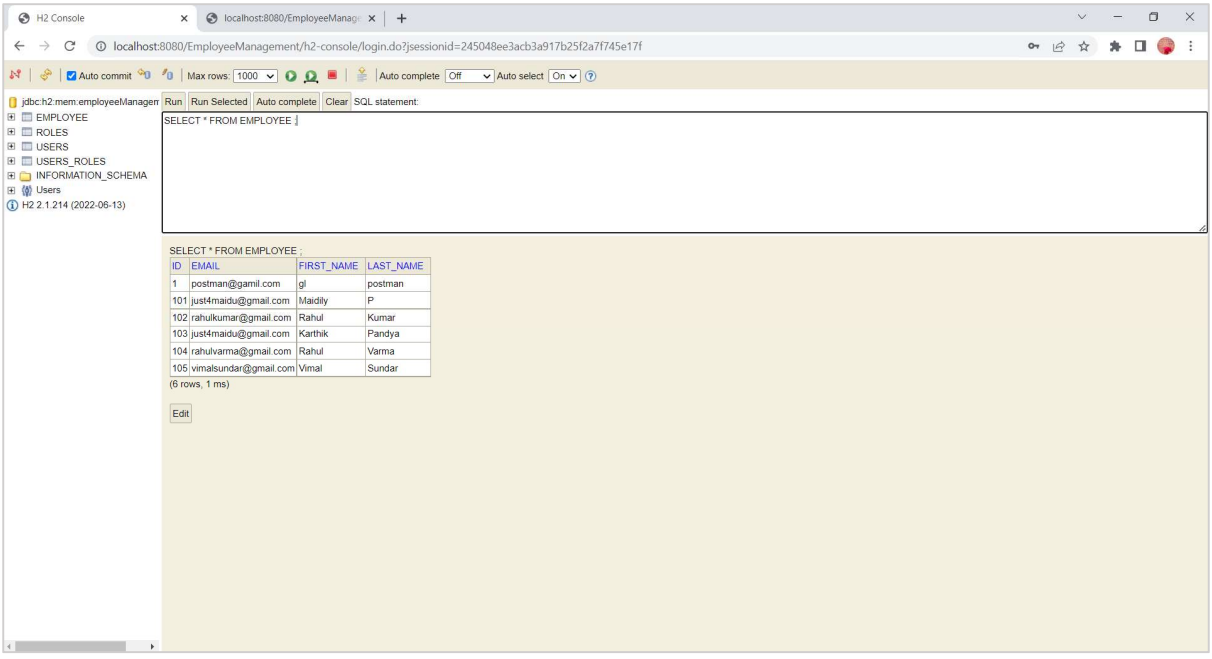
Read/ List all Employee records stored in DB:



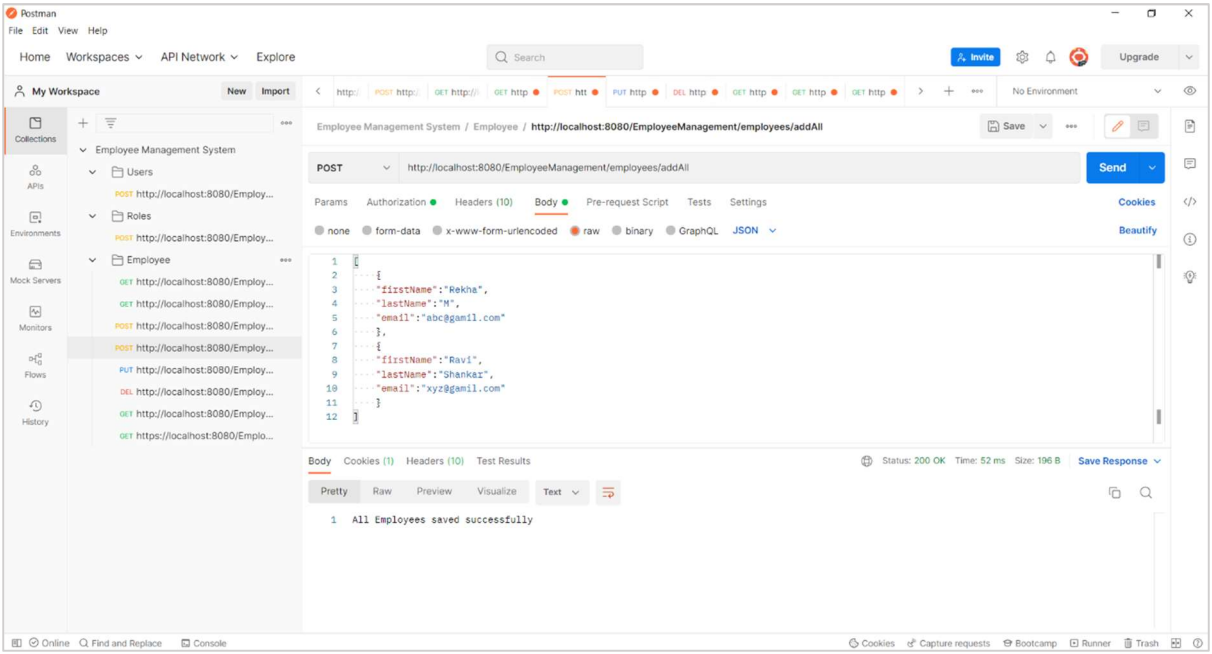
Add new Employee record to DB: (ADMIN user)



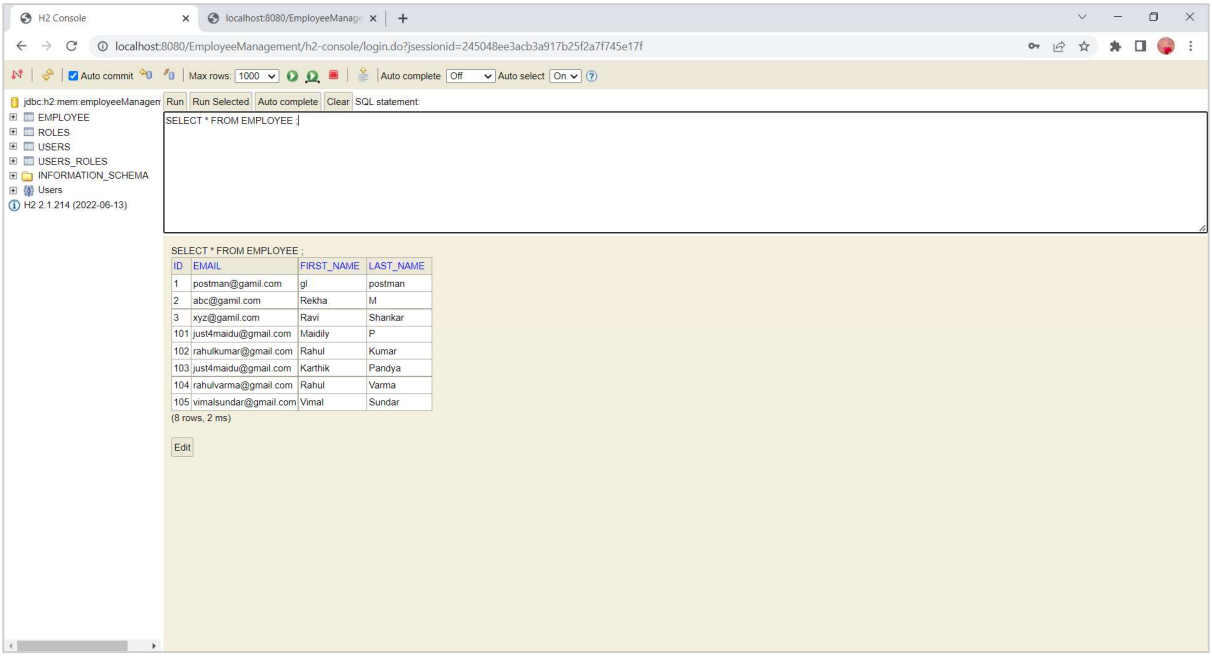
Create action - New Employee record addition – reflecting in H2-console: **[id = 1]**



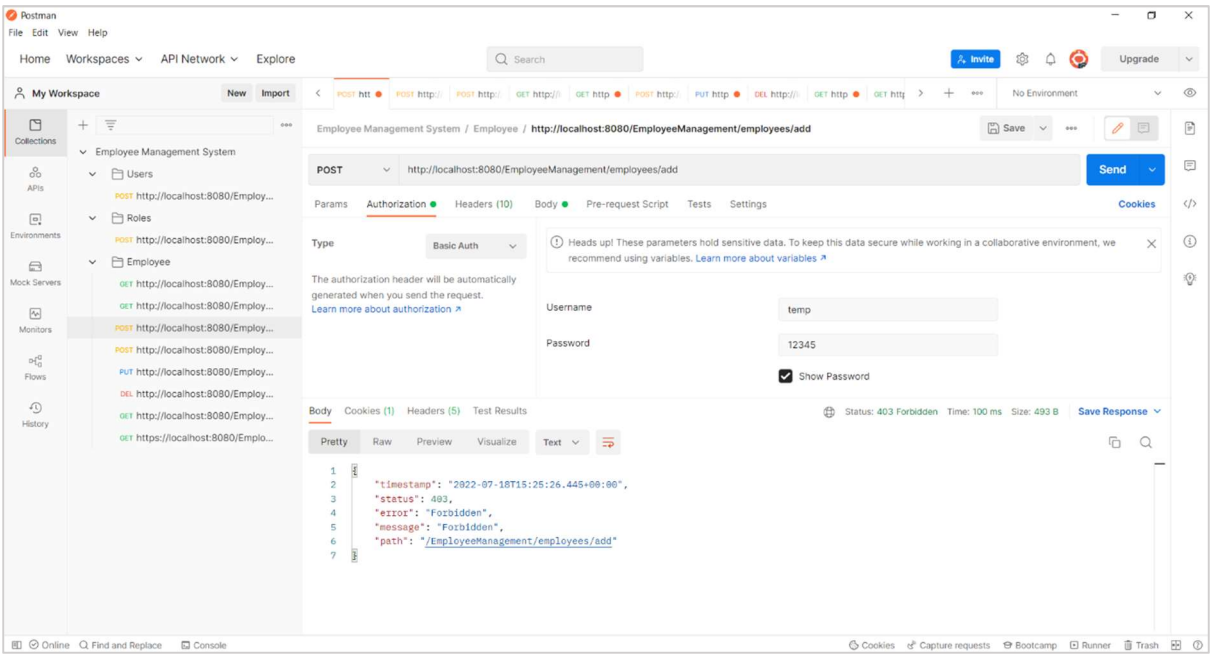
Add many Employee records to DB: (ADMIN user)



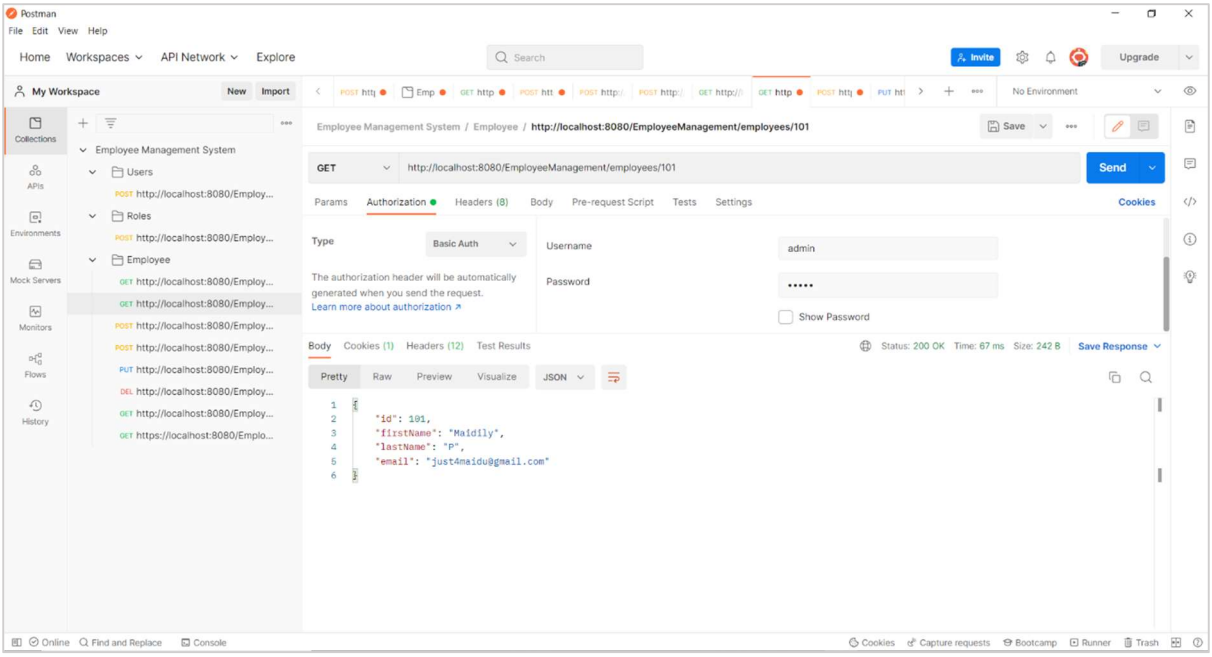
Create action - Multiple Employee records – reflecting in H2-console: **[id = 2, 3]**



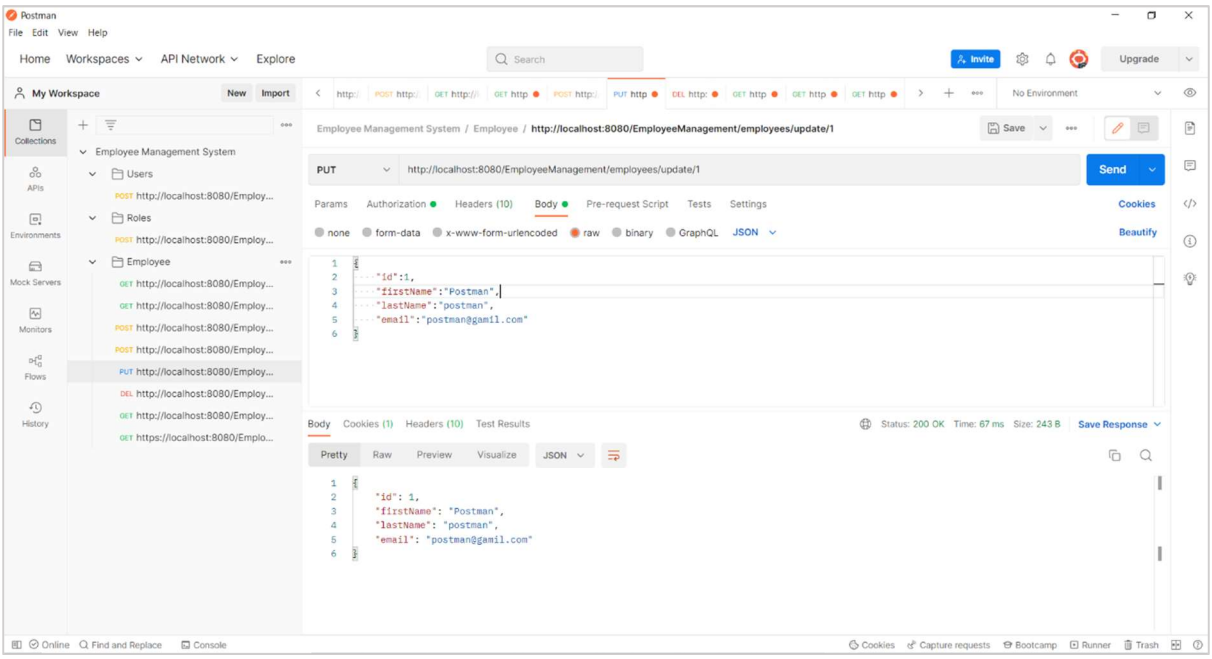
Add new Employee record to DB: (USER user) ***Forbidden authentication***



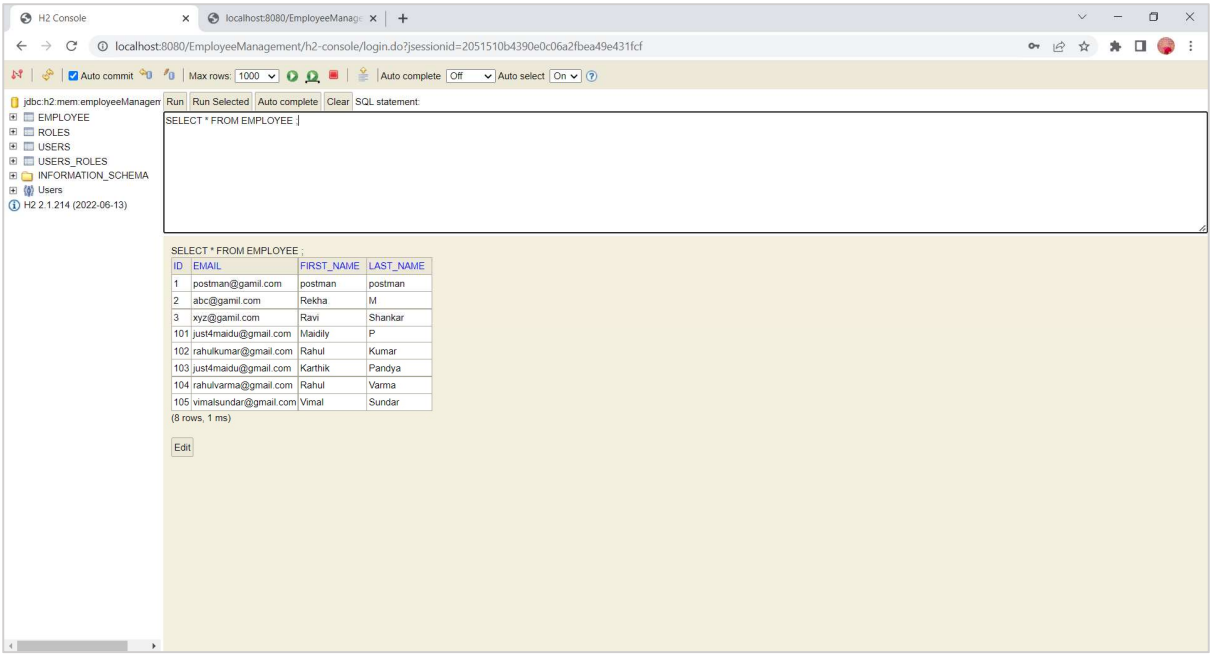
Fetch an existing Employee record by “id”: **[id = 101]**



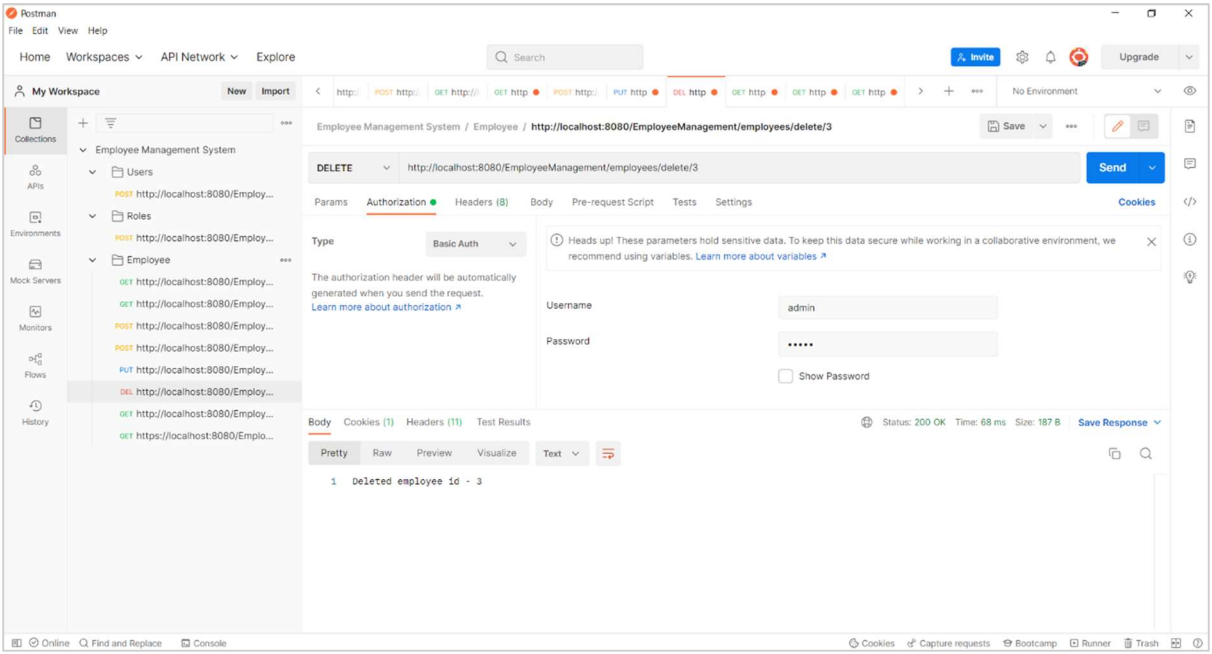
Update existing Employee record by “id”: **[id = 1]**



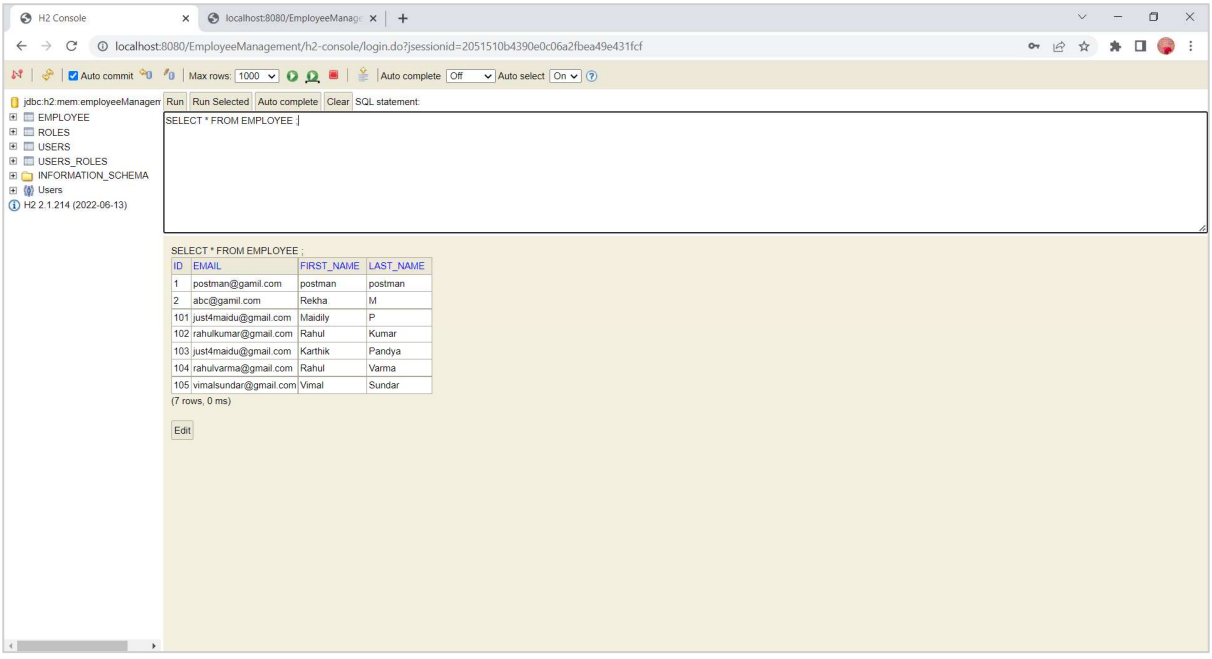
Update action reflecting on H2-console: **[id = 1] updated**



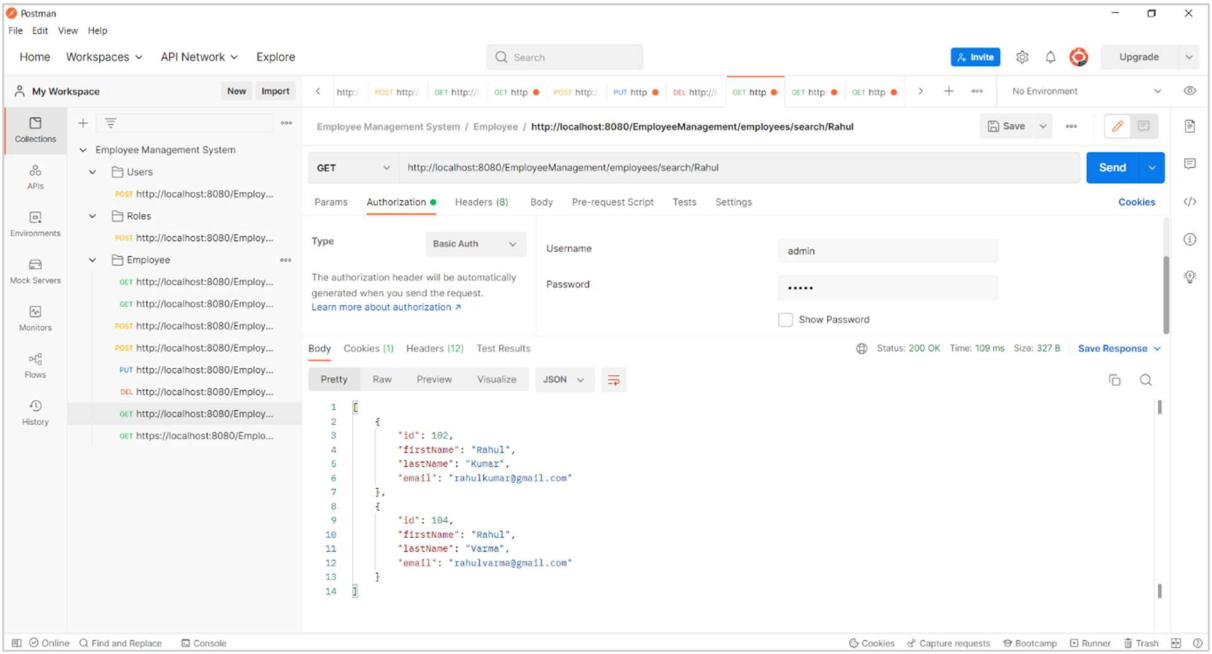
Delete existing Employee record from DB: **[id = 3]**



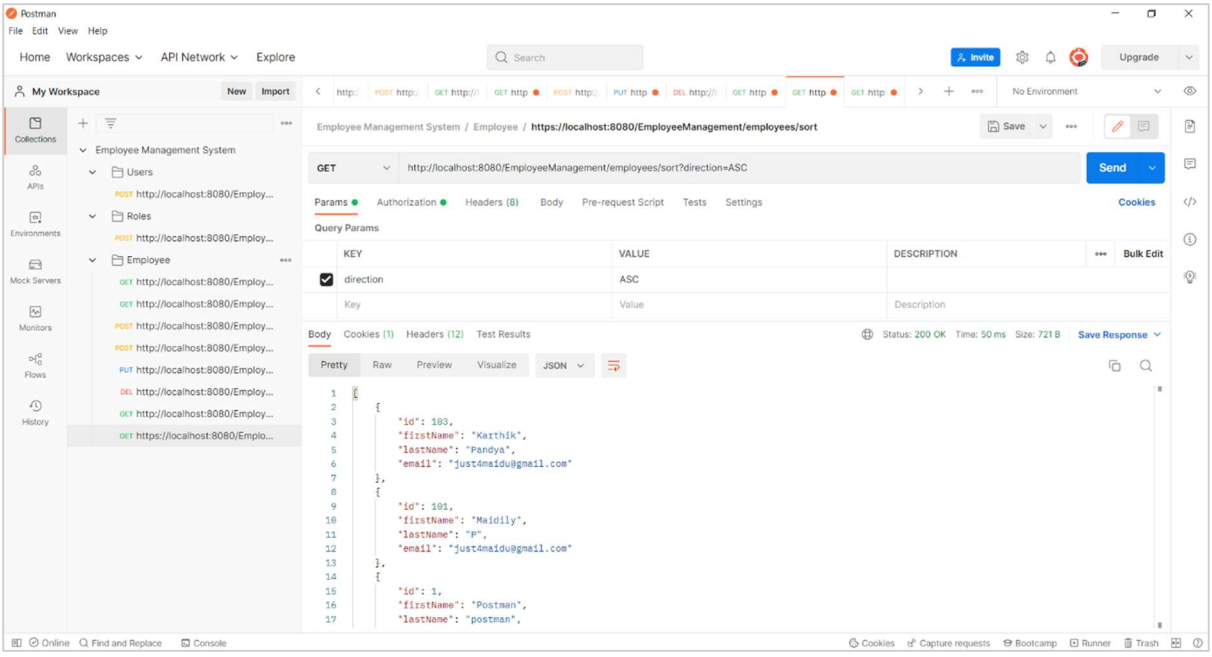
Delete action reflecting on H2-console: **[id = 3] removed**



Fetch/ Search Employee records using his/her First name: **[firstName = Rahul]**



Fetch all Employee records sorted by First name – **Ascending** order:



Fetch all Employee records sorted by First name – **Descending** order: