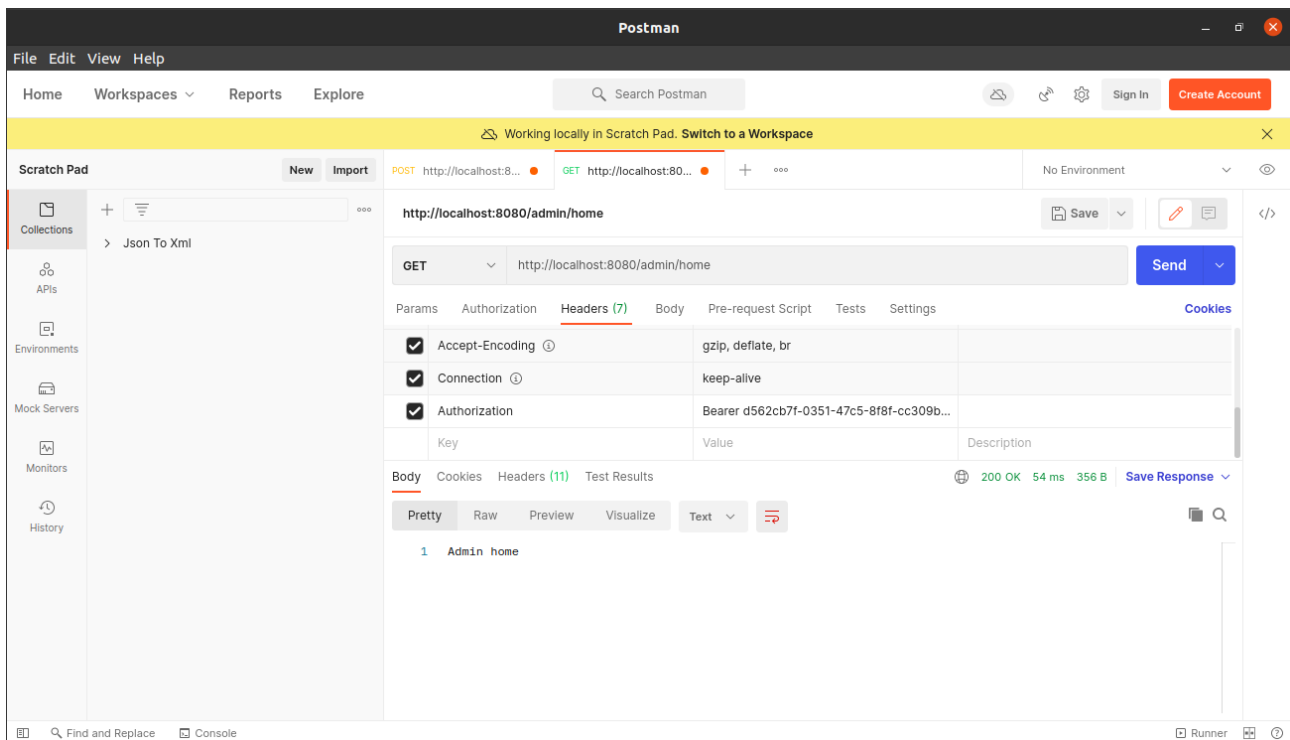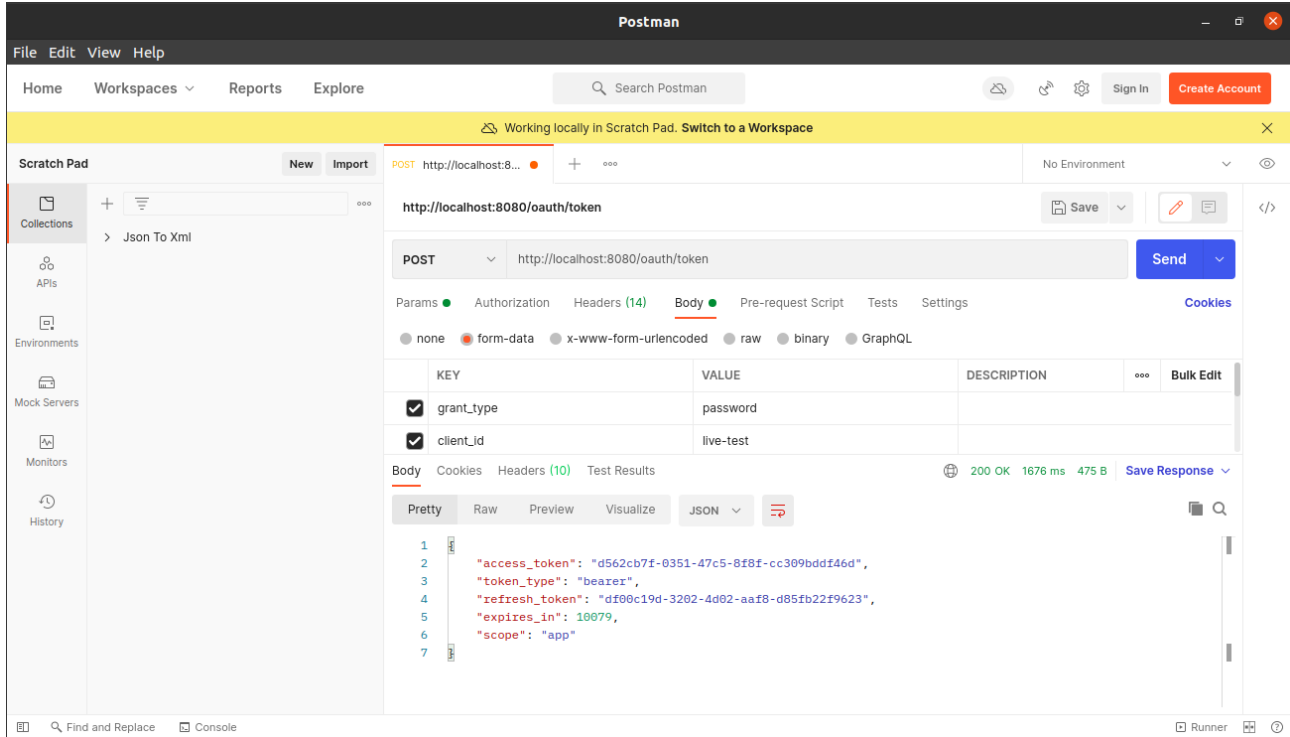# Spring Security oauth 2

1. Implement oauth 2 using spring security and authenticate a user which is saved in database using spring data jpa.

2. Grant different Roles to different users and make sure that only authorized users of a given type can access the resource.

Screenshot 1 (top):

Postman

File Edit View Help

Home   Workspaces ⌄   Reports   Explore   Search Postman   Sign In   Create Account

Working locally in Scratch Pad. **Switch to a Workspace**

POST http://localhost:8...   GET http://localhost:80...   +   ○○○   No Environment ⌄

http://localhost:8080/user/resource   Save ⌄

GET ⌄   http://localhost:8080/user/resource   Send ⌄

Params   Authorization   Headers (7)   Body   Pre-request Script   Tests   Settings   Cookies

☑ Accept-Encoding ⓘ   gzip, deflate, br
☑ Connection ⓘ   keep-alive
☑ Authorization   Bearer a3e4041b-e765-4c16-91be-4c4bb1e75f53
  Key   Value   Description

Body Cookies Headers (11) Test Results   Status: 200 OK   Time: 36 ms   Size: 368 B   Save Response ⌄

Pretty Raw Preview Visualize   Text ⌄

1   User Resource Accessed

Find and Replace   Console   Runner

Screenshot 2 (bottom):

Postman

File Edit View Help

Home   Workspaces ⌄   Reports   Explore   Search Postman   Sign In   Create Account

Working locally in Scratch Pad. **Switch to a Workspace**

POST http://localhost:8...   GET http://localhost:80...   +   ○○○   No Environment ⌄

http://localhost:8080/user/resource   Save ⌄

GET ⌄   http://localhost:8080/user/resource   Send ⌄

Params   Authorization   Headers (7)   Body   Pre-request Script   Tests   Settings   Cookies

☑ Accept-Encoding ⓘ   gzip, deflate, br
☑ Connection ⓘ   keep-alive
☑ Authorization   Bearer cec79b6b-c0d5-42c2-9fce-27aaef72117a
  Key   Value   Description

Body Cookies Headers (10) Test Results   Status: 403 Forbidden   Time: 25 ms   Size: 367 B   Save Response ⌄

Pretty Raw Preview Visualize   JSON ⌄

1   {
2   "error": "access_denied",
3   "error_description": "Access is denied"
4   }

Find and Replace   Console   Runner