

Java Assignment:

1. Table Schema:

```
CREATE DATABASE java_assignment;

USE java_assignment;

CREATE TABLE users (
    id INT AUTO_INCREMENT PRIMARY KEY,
    username VARCHAR(50) NOT NULL UNIQUE,
    password VARCHAR(255) NOT NULL,
    role VARCHAR(20) NOT NULL
);
```

```
11
12 • CREATE TABLE users (
13     id INT AUTO_INCREMENT PRIMARY KEY,
14     username VARCHAR(50) NOT NULL UNIQUE,
15     first_name VARCHAR(50),
16     middle_name VARCHAR(50),
17     last_name VARCHAR(50),
18     password VARCHAR(255) NOT NULL,
19     email VARCHAR(100),
20     contact VARCHAR(20),
21     expiration_date DATE,
22     description TEXT,
23     timeout INT,
24     datetime_format VARCHAR(50),
25     role_name VARCHAR(50),
26     scope_name VARCHAR(50),
27     primary_group_name VARCHAR(50),
28     secondary_group_name VARCHAR(50),
29     language VARCHAR(50),
30     organization VARCHAR(100),
31     timezone VARCHAR(50),
32     memo TEXT
33 );
```

Result Grid															Result Grid
id	username	first_name	middle_name	last_name	password	email	contact	expiration_date	description	timeout	datetime_format	role_name	scope		
3	john-deep3	John	Deep	Deep	\$2a\$10\$W6ASXQySiBGnWBPsXIOWxCzbFm...	john_deep3_updated@example.com	1234567890	2024-12-30 18:00:00.000000	A sample user deep3 updated	30	yyyy-MM-dd HH:mm:ss	USER	global		Form Editor
4	john_deep	John	Deep	Doe	\$2a\$10\$CuLFaANyh7pYgXCu0434uXkY6mVw...	john_deep@example.com	0987654321	2025-12-30 18:00:00.000000	An updated sample user	60	yyyy-MM-dd HH:mm:ss	ADMIN	regional		
5	john-deep5	Joe	Denver	Doe	\$2a\$10\$oaIpw8s/eEp5EHTUBNmPHu1eGJzzT...	john_deep5_updated@example.com	1234567890	2024-12-30 18:00:00.000000	A sample user updated	30	yyyy-MM-dd HH:mm:ss	USER	global		Form Editor

2. **API:**
Authenticate:

HTTP

http://localhost:8080/users/authenticate

POST

http://localhost:8080/users/authenticate

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

none

form-data

x-www-form-urlencoded

raw

binary

JSON

1

2

3

4

5

"username": "john-deep3",

"password": "password123"

Body

Cookies

Headers (11)

Test Results

Pretty

Raw

Preview

Visualize

Text

1

eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJqb2huLWR1ZXAzIiwiaWF0IjoxNzE0NzE2NjkzLCJleHAiOjE3MjQ3NTI2OTN9.KID-wuLSeifnWTWgt1_Xh48LGdtB0iIkw8TgjPK

POST:

The screenshot shows a REST client interface with the following details:

- URL:** `http://localhost:8080/users/add`
- Method:** `POST`
- Body Type:** `JSON` (selected from a dropdown menu)
- Body Content (Raw View):**

```
1 {
2   "id": 5,
3   "username": "john_deep6",
4   "firstName": "John",
5   "middleName": "Deep5",
6   "lastName": "Deep",
7   "password": "password6",...// This will be hashed
8   "email": "john_deep6@example.com",
9   "contact": "0987654321",
10  "expirationDate": "2025-12-31",
11  "description": "An updated sample user deep6",
12  "timeout": 60,
13  "dateTimeFormat": "yyyy-MM-dd HH:mm:ss",
14  "roleName": "ADMIN",
15  "scopeName": "regional",
```
- Response Status:** `200 OK`
- Response Time:** `10.13 s`
- Response Size:** `902 B`
- Response Body (Pretty View):**

```
1 {
2   "id": 5,
3   "username": "john_deep6",
4   "firstName": "John",
5   "middleName": "Deep5",
6   "lastName": "Deep",
7   "password": "$2a$10$VAJCSiA4dQXKc29jTE7MiupArEBqZbT146FziTc4urHsSxAoS6HS",
8   "email": "john_deep6@example.com",
9   "contact": "0987654321",
10  "expirationDate": "2025-12-31T00:00:00.000+00:00",
11  "description": "An updated sample user deep6",
12  "timeout": 60,
13  "dateTimeFormat": "yyyy-MM-dd HH:mm:ss",
14  "roleName": "ADMIN",
15  "scopeName": "regional",
```

UPDATE:

HTTP

http://localhost:8080/users/update

POST

▼

http://localhost:8080/users/update

Params

Authorization

Headers (10)

Body

Pre-request Script

Tests

Settings

Headers

8 hidden

	Key	Value
<input checked="" type="checkbox"/>	Authorization	Bearer eyJhbGciOiJIUzI1NiJ9.eyJzdWIiOiJqb2huLWRIZXA2IiwiaWF0IjoxNzI0NzE2NDUyLCJleH
<input checked="" type="checkbox"/>	Content-Type	application/json
	Key	Value

Body

Cookies

Headers (11)

Test Results

Status: 200 OK

Time: 150 ms

Size: 904 B

Save R

Pretty

Raw

Preview

Visualize

JSON

▼

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

"id": 3,

"username": "john-deep3",

"firstName": "John",

"middleName": "Deep",

"lastName": "Deep",

"password": "\$2a\$10\$W6ASXQySiBGnWBPssXf0w.xCzbFmEKklb2KZtgSG0VvIUuyI2Vgqy",

"email": "john_deep3_updated@example.com",

"contact": "1234567890",

"expirationDate": "2024-12-31T00:00:00.000+00:00",

"description": "A sample user deep3 updated",

"timeout": 30,

"datetimeFormat": "yyyy-MM-dd HH:mm:ss",

"roleName": "USER",

"scopeName": "global",

GET ALL USERS:

http://localhost:8080/users/all

GEThttp://localhost:8080/users/all

Params

Authorization

Headers (8)

Body

Pre-request Script

Tests

Settings

Headers

6 hidden

	Key	Value
<input checked="" type="checkbox"/>	Authorization	Bearer eyJhbGciOiJIUzI1NiJ9.eyJzdWllOiJqb2huLWRIZXAzIiwiaWF0IjoxNzI0NzE2NjkzLCJle...
<input checked="" type="checkbox"/>	Content-Type	application/json
	Key	Value

Body

Cookies

Headers (11)

Test Results

Status: 200 OKTime: 4.95 sSize: 1.98 KB

Pretty

Raw

Preview

Visualize

JSON

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

{

"id": 3,

"username": "john-deep3",

"firstName": "John",

"middleName": "Deep",

"lastName": "Deep",

"password": "\$2a\$10\$W6ASXQyS1B6nWBPssXf0w.xCzbFmEKklb2KZtgSG0VvIUuyI2Vgqy",

"email": "john_deep3_updated@example.com",

"contact": "1234567890",

"expirationDate": "2024-12-31T00:00:00.000+00:00",

"description": "A sample user deep3 updated",

"timeout": 30,

"datetimeFormat": "yyyy-MM-dd HH:mm:ss",

"roleName": "USER",