

EPITA

IAM Project

Project User Guide

Team Members:

Sohel Khan Pathan

Omkar Yadav

1. Purpose

This document will provide insights on, the basic operations of the IAM system . System operations are explained with screenshots.

2. Introduction

The project implements basic features of IAM (Identity and Access Management) system. As a scope of this project we are handling following operations:

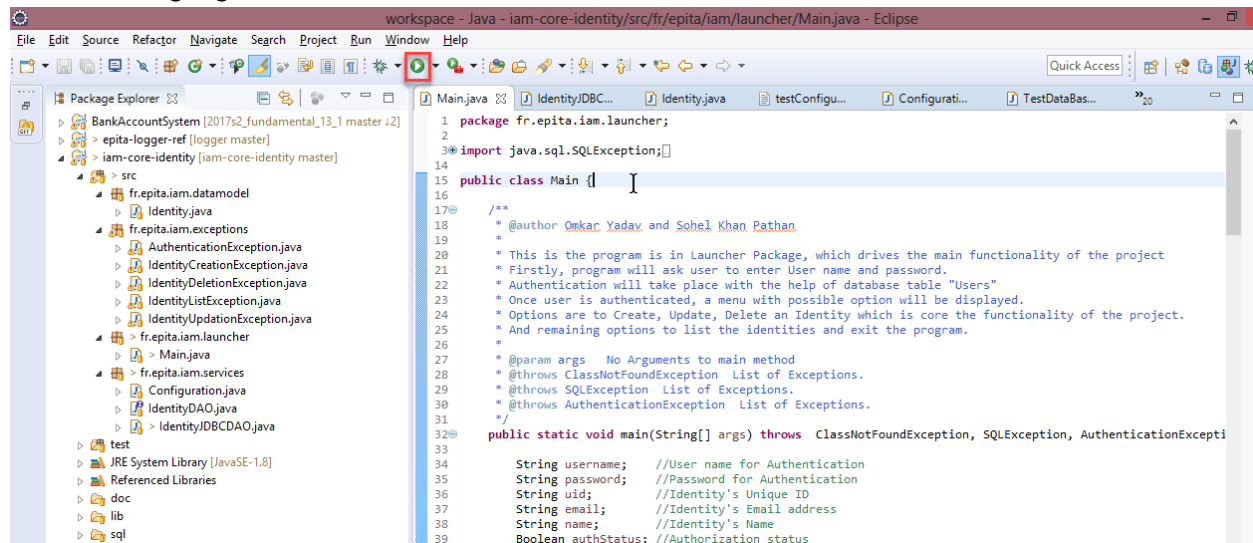
- Create an entity.
- Update an entity.
- Delete an entity.
- List the identities.

The identities have UID, Display name and Email ID, this data is maintained in database table "Identities".

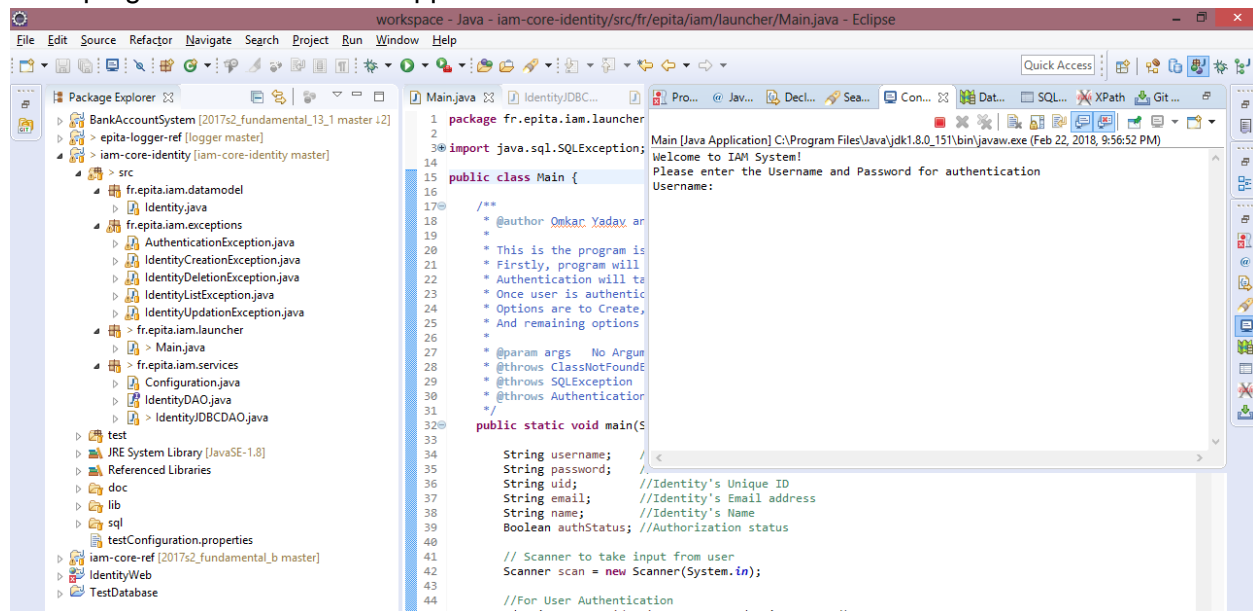
3. IAM System Operations:

3.1. Identity Create Operation:

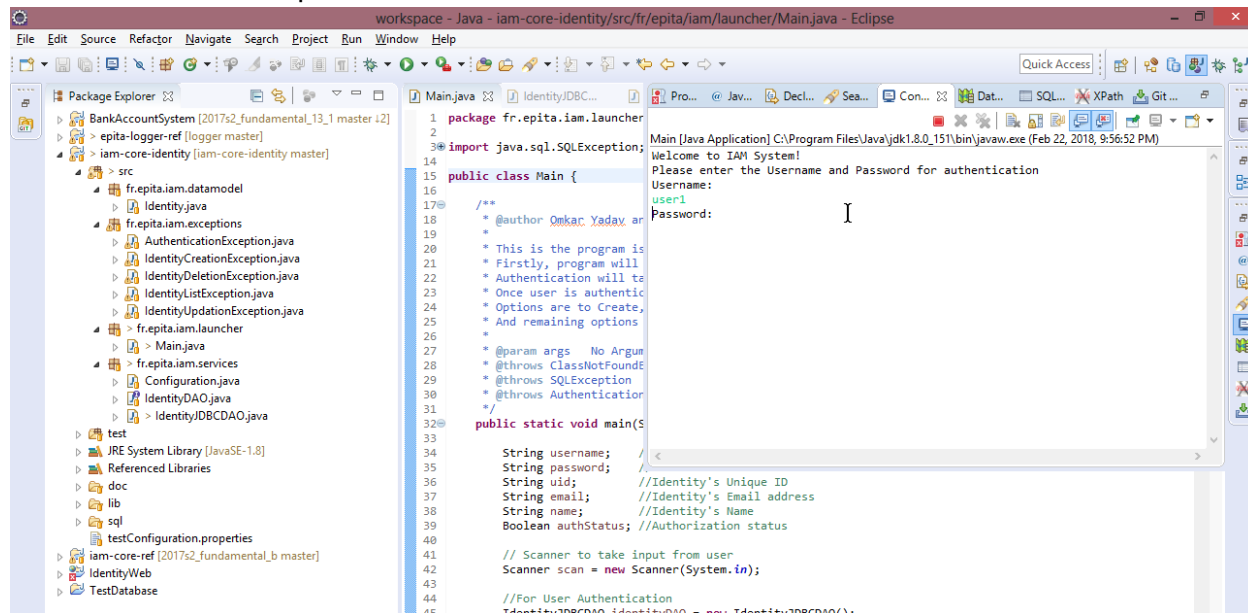
3.1.1. Execute the Main program in Launcher package. To execute the program click on “Main.java” file, under package “fr.epita.iam.launcher”, then click on the run button highlighted in below screenshot:



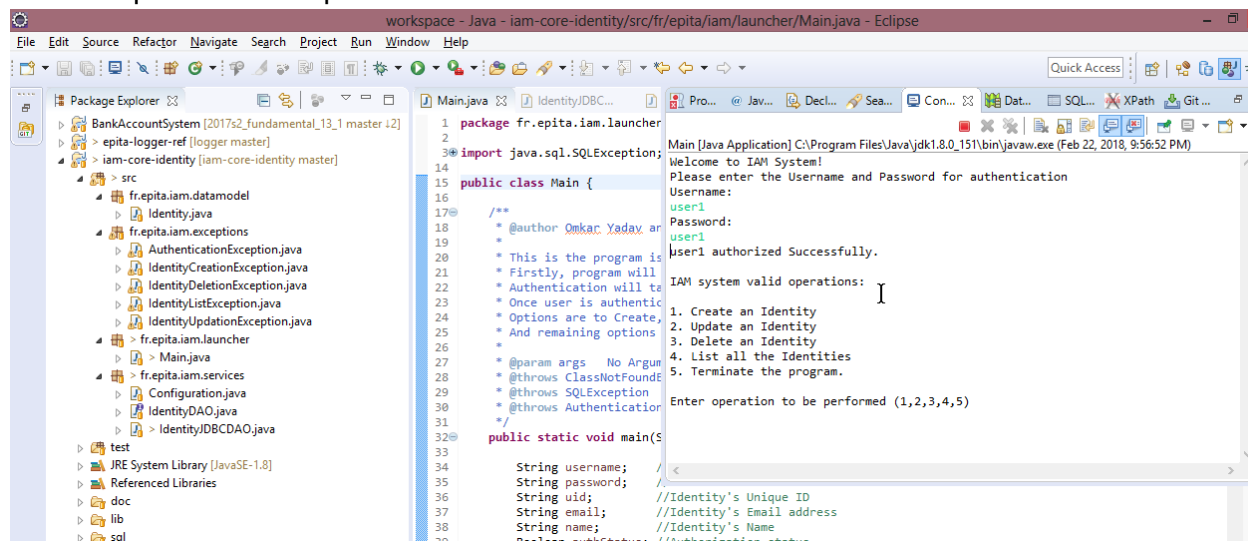
3.1.2. A program console will be appeared.



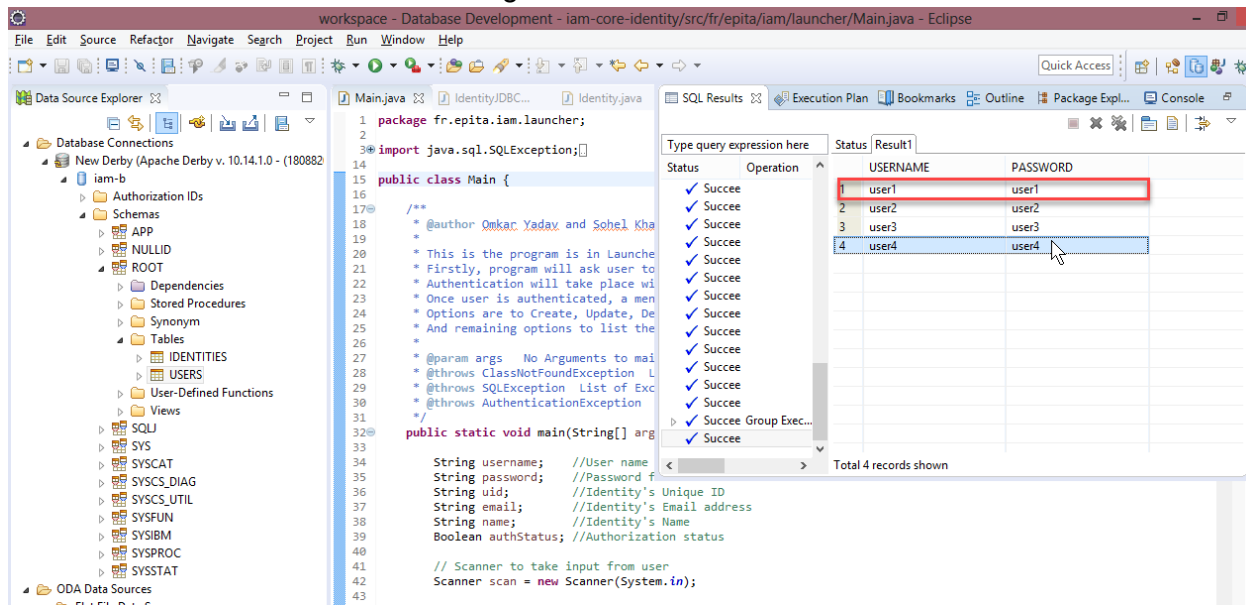
3.1.3. Enter User ID and press Enter button.



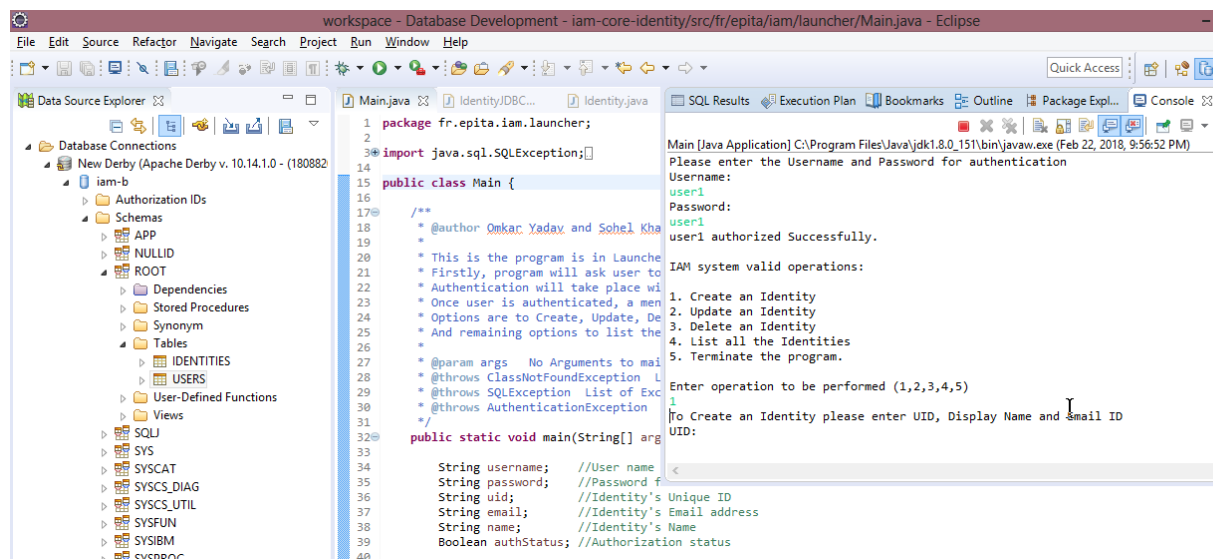
3.1.4. Enter password and press Enter button.



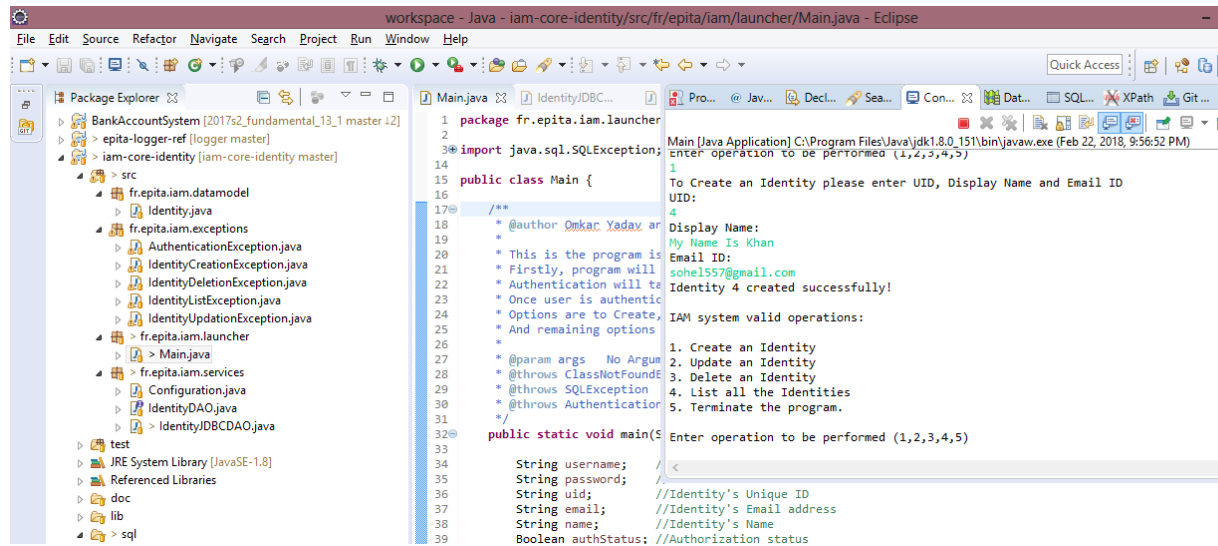
3.1.5. User credentials will be validated against database table “users”.



3.1.6. To choose to create an Identity, enter Operation Number “1” and press Enter button.

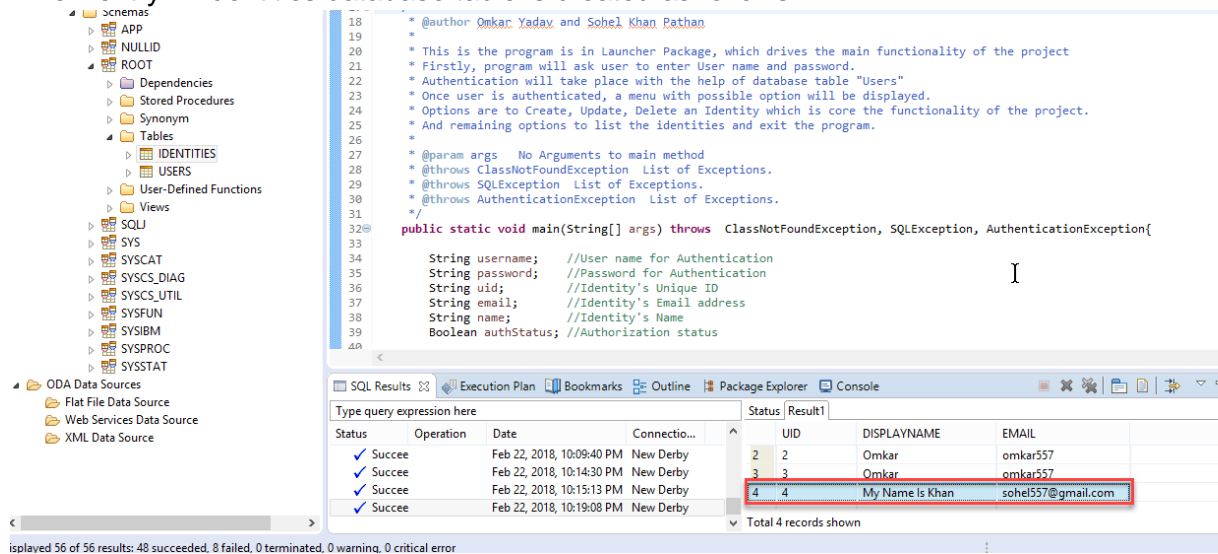


3.1.7. Enter UID and click on enter. Repeat same procedure for entering Display Name and Email ID.



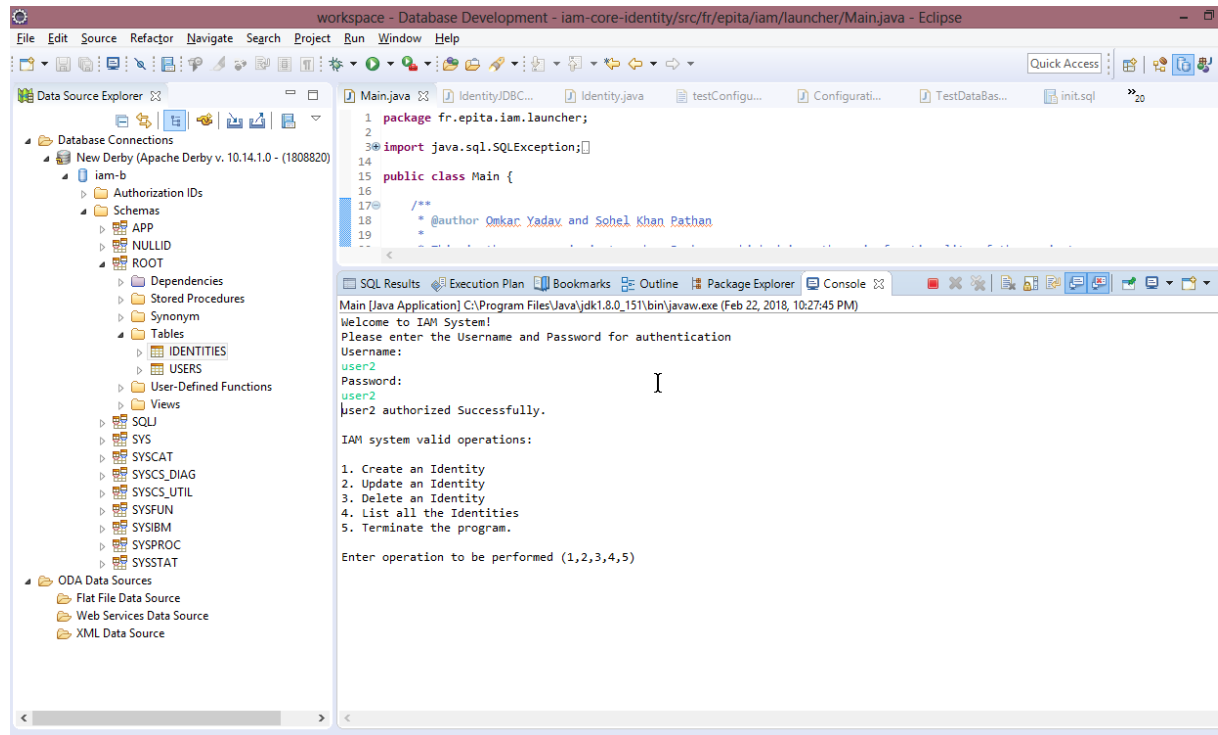
- A success message is displayed after Identity Creation.

3.1.8. A new entry in Identities database table is created as follows:

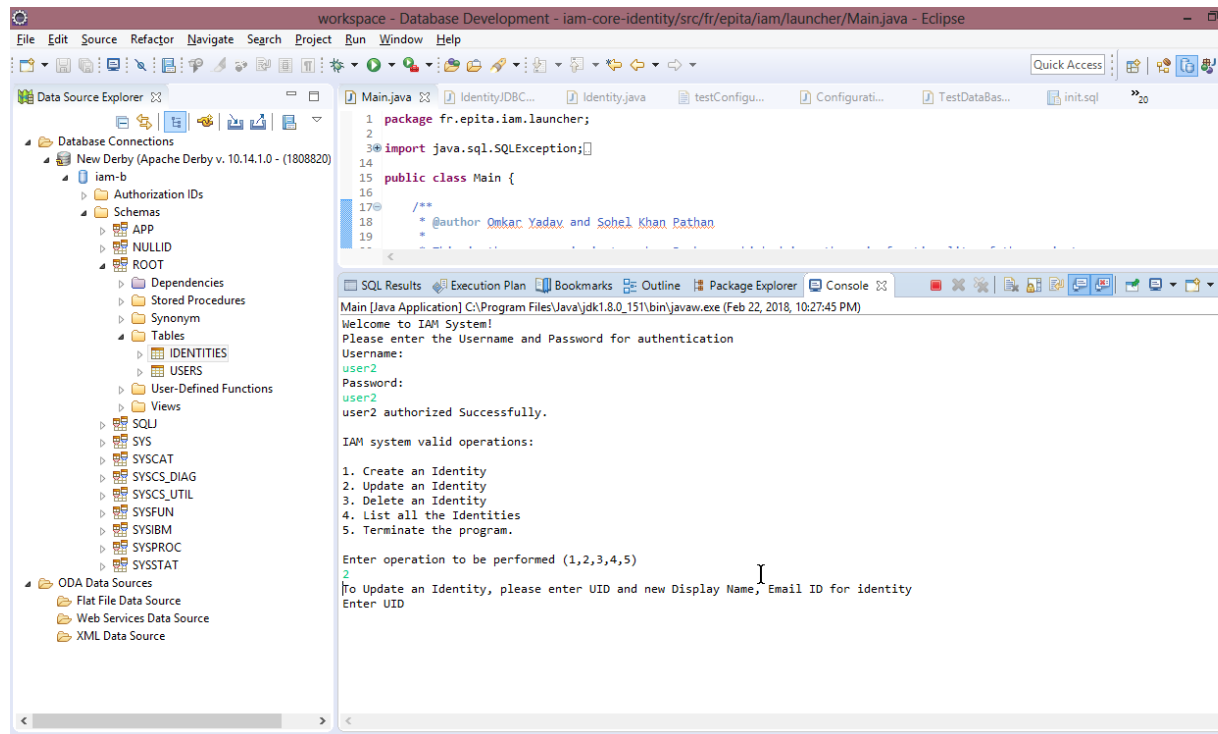


3.2. Identity Update Operation:

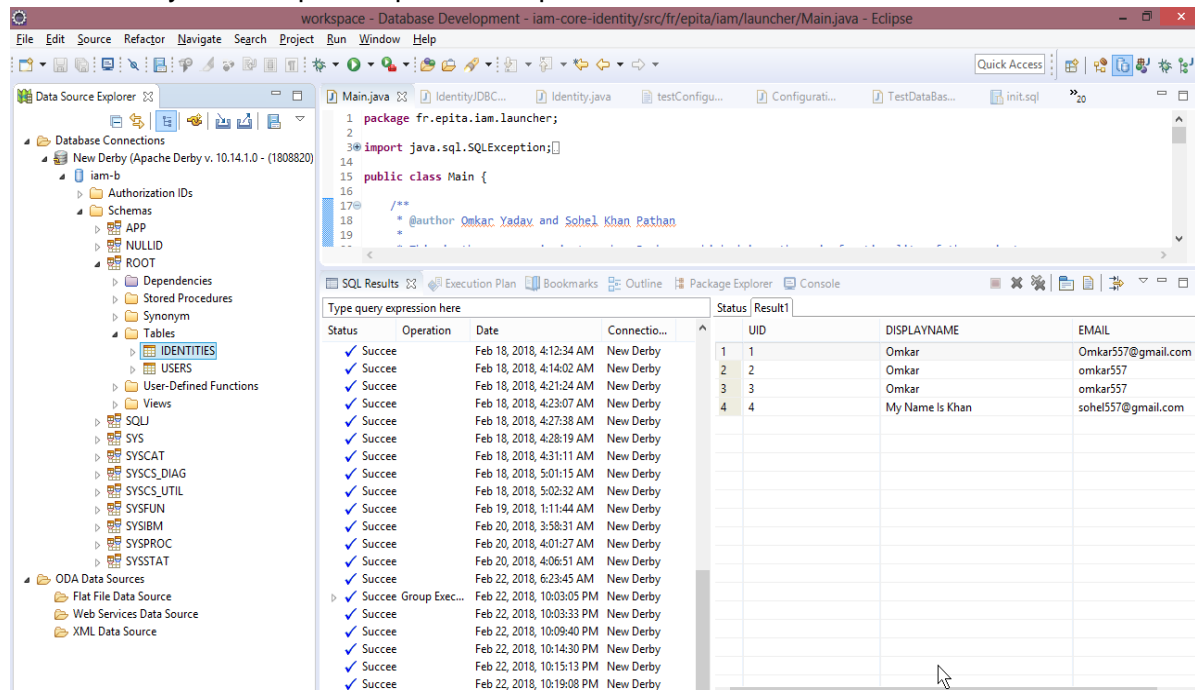
3.2.1. Execute the program and enter user, password for authentication.



3.2.2. To choose to update an Identity, enter Operation Number “2” and press Enter button.



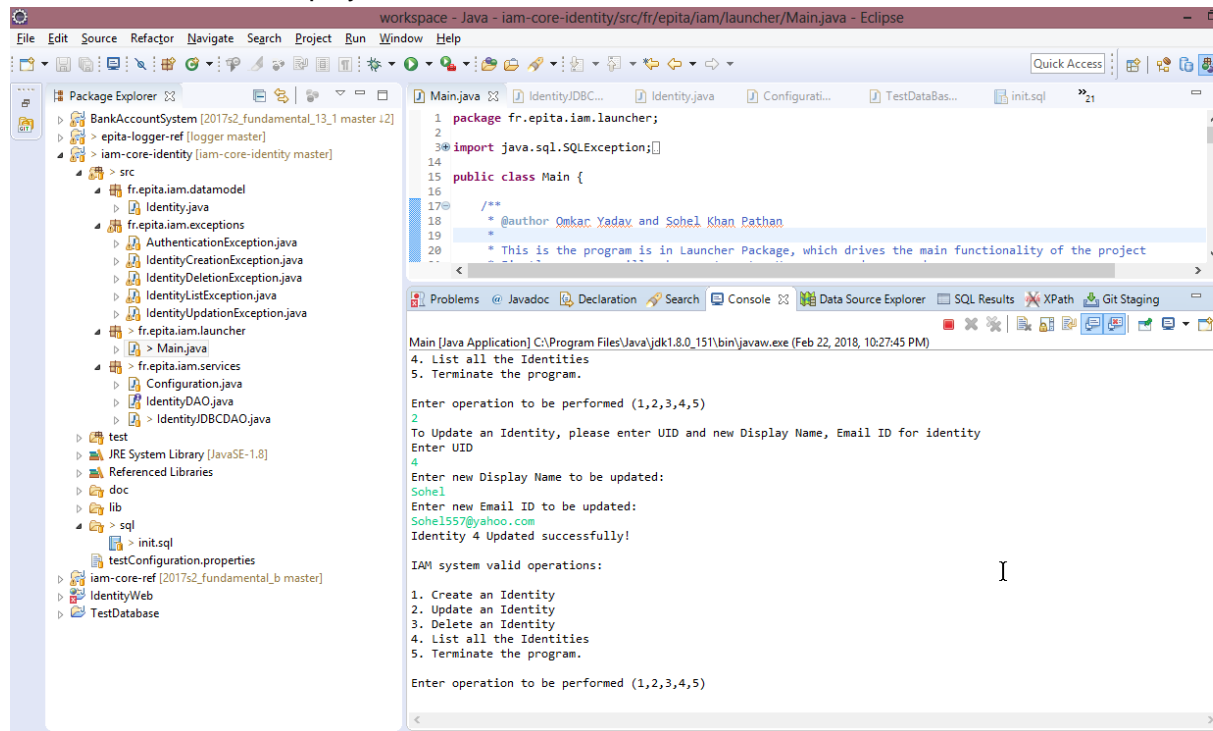
3.2.3. Table Identity before update operation is performed.



The screenshot shows the Eclipse IDE with the 'SQL Results' window open. The table displays the following data:

Status	Operation	Date	Connection	UID	DISPLAYNAME	EMAIL
✓	Succee	Feb 18, 2018, 4:12:34 AM	New Derby	1	Omkar	Omkar557@gmail.com
✓	Succee	Feb 18, 2018, 4:14:02 AM	New Derby	2	Omkar	omkar557
✓	Succee	Feb 18, 2018, 4:21:24 AM	New Derby	3	Omkar	omkar557
✓	Succee	Feb 18, 2018, 4:23:07 AM	New Derby	4	My Name Is Khan	sohel557@gmail.com

3.2.4. Enter UID with new Display name and Email ID.



The screenshot shows the Eclipse IDE with the 'Console' window open. The output of the program is as follows:

```

Main [Java Application] C:\Program Files\Java\jdk1.8.0_151\bin\javaw.exe (Feb 22, 2018, 10:27:45 PM)
4. List all the Identities
5. Terminate the program.

Enter operation to be performed (1,2,3,4,5)
2
To Update an Identity, please enter UID and new Display Name, Email ID for identity
Enter UID
4
Enter new Display Name to be updated:
Sohel
Enter new Email ID to be updated:
Sohel557@yahoo.com
Identity 4 Updated successfully!

IAM system valid operations:

1. Create an Identity
2. Update an Identity
3. Delete an Identity
4. List all the Identities
5. Terminate the program.

Enter operation to be performed (1,2,3,4,5)

```


3.2.5. Table Identity after update operation is successfully performed.

The screenshot shows the Eclipse IDE with the 'SQL Results' window open. The table displays the following data:

Status	Operation	Date	Connection	UID	DISPLAYNAME	EMAIL
✓ Succeed		Feb 18, 2018, 4:14:02 AM	New Derby	1	Omkar	Omkar557@gmail.com
✓ Succeed		Feb 18, 2018, 4:21:24 AM	New Derby	2	Omkar	omkar557
✓ Succeed		Feb 18, 2018, 4:23:07 AM	New Derby	3	Omkar	omkar557
✓ Succeed		Feb 18, 2018, 4:27:38 AM	New Derby	4	Sohel	Sohel557@yahoo.com
✓ Succeed		Feb 18, 2018, 4:28:19 AM	New Derby			
✓ Succeed		Feb 18, 2018, 4:31:11 AM	New Derby			
✓ Succeed		Feb 18, 2018, 5:01:15 AM	New Derby			
✓ Succeed		Feb 18, 2018, 5:02:32 AM	New Derby			
✓ Succeed		Feb 19, 2018, 1:11:44 AM	New Derby			
✓ Succeed		Feb 20, 2018, 3:58:31 AM	New Derby			
✓ Succeed		Feb 20, 2018, 4:01:27 AM	New Derby			
✓ Succeed		Feb 20, 2018, 4:06:51 AM	New Derby			
✓ Succeed		Feb 22, 2018, 6:23:45 AM	New Derby			
✓ Succeed	Group Exec...	Feb 22, 2018, 10:03:05 PM	New Derby			
✓ Succeed		Feb 22, 2018, 10:03:33 PM	New Derby			
✓ Succeed		Feb 22, 2018, 10:09:40 PM	New Derby			
✓ Succeed		Feb 22, 2018, 10:14:30 PM	New Derby			
✓ Succeed		Feb 22, 2018, 10:15:13 PM	New Derby			
✓ Succeed		Feb 22, 2018, 10:19:08 PM	New Derby			

3.3. Identity Delete Operation:

3.3.1. Execute the program and enter user, password for authentication.

The screenshot shows the Eclipse IDE with the 'Console' window open. The output of the 'Main [Java Application]' is as follows:

```

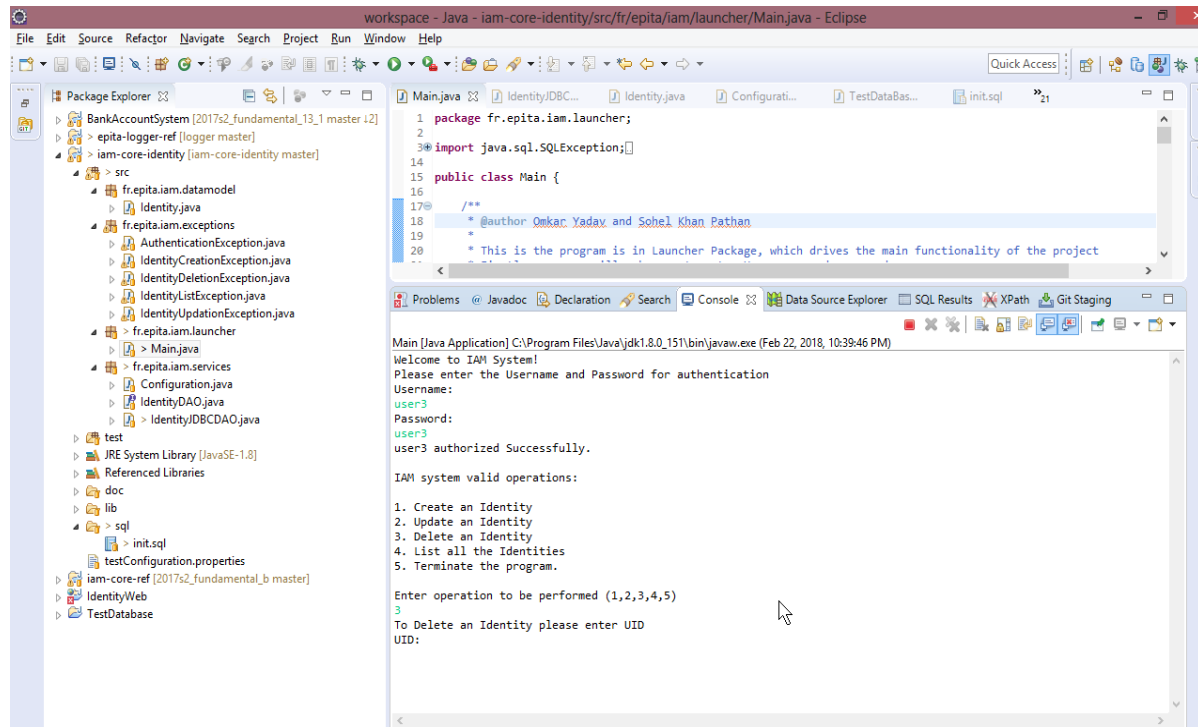
Main [Java Application] C:\Program Files\Java\jdk1.8.0_151\bin\javaw.exe (Feb 22, 2018, 10:39:46 PM)
Welcome to IAM System!
Please enter the Username and Password for authentication
Username:
user3
Password:
user3
user3 authorized Successfully.

IAM system valid operations:

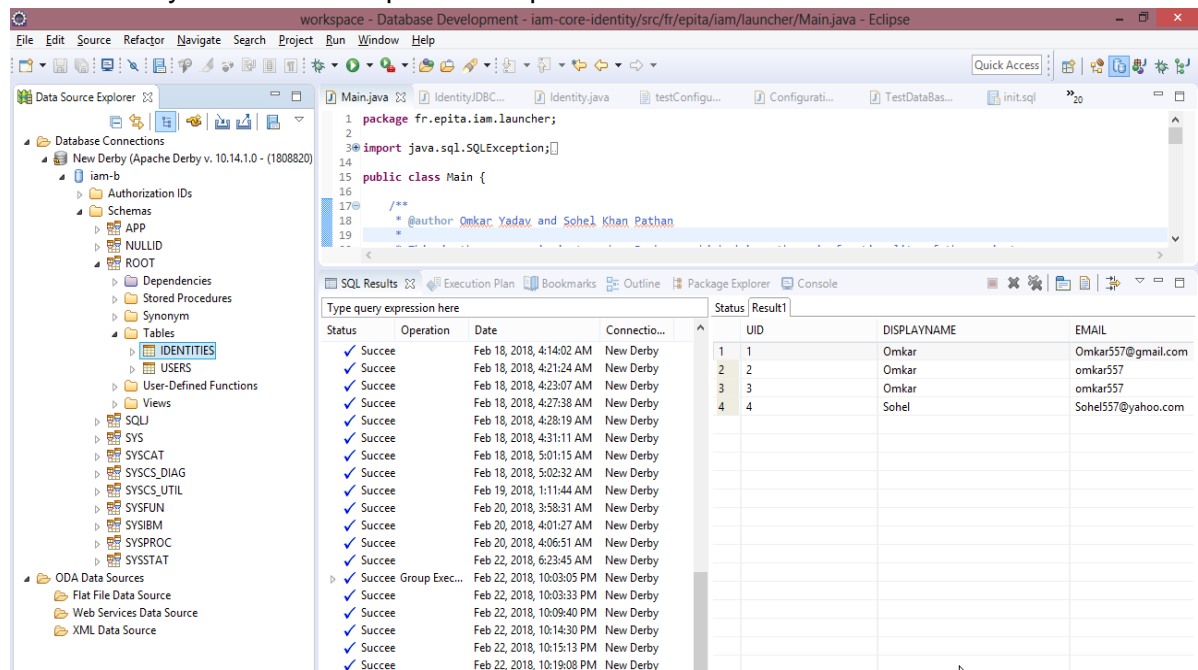
1. Create an Identity
2. Update an Identity
3. Delete an Identity
4. List all the Identities
5. Terminate the program.

Enter operation to be performed (1,2,3,4,5)
  
```

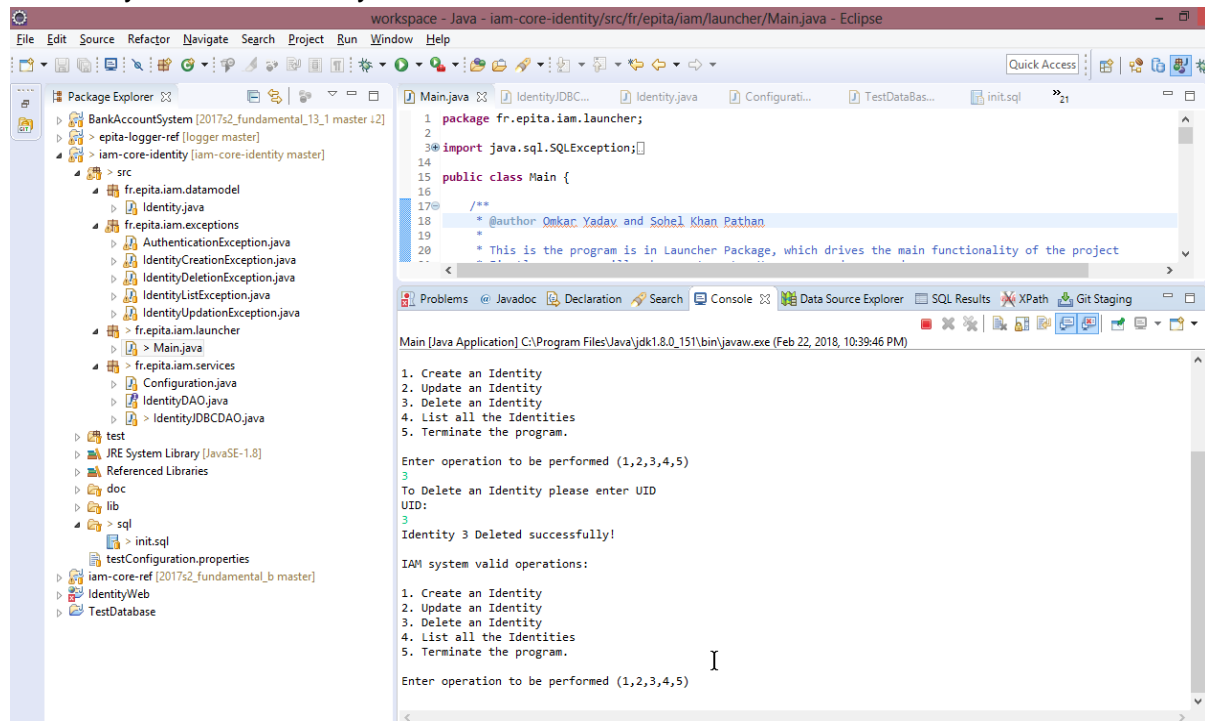
3.3.2. To choose to delete an Identity, enter Operation Number “3” and press Enter button.



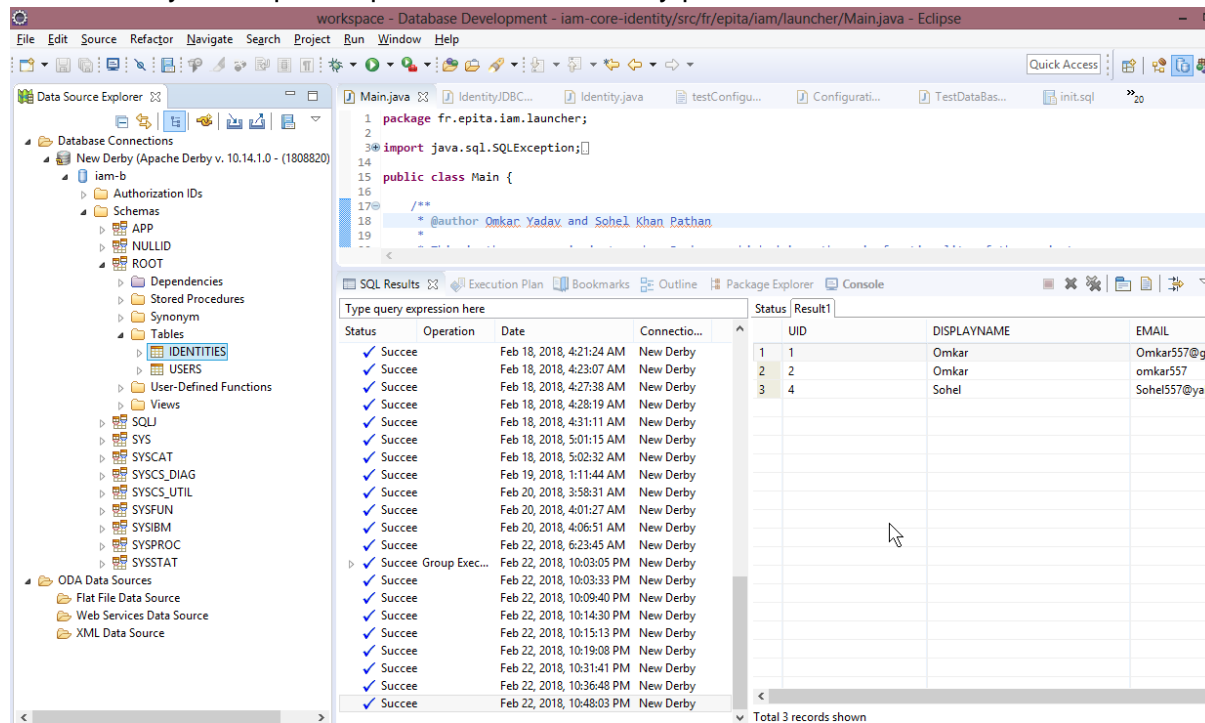
3.3.3. Table Identity before delete operation is performed.



3.3.4. Enter only UID of an identity.

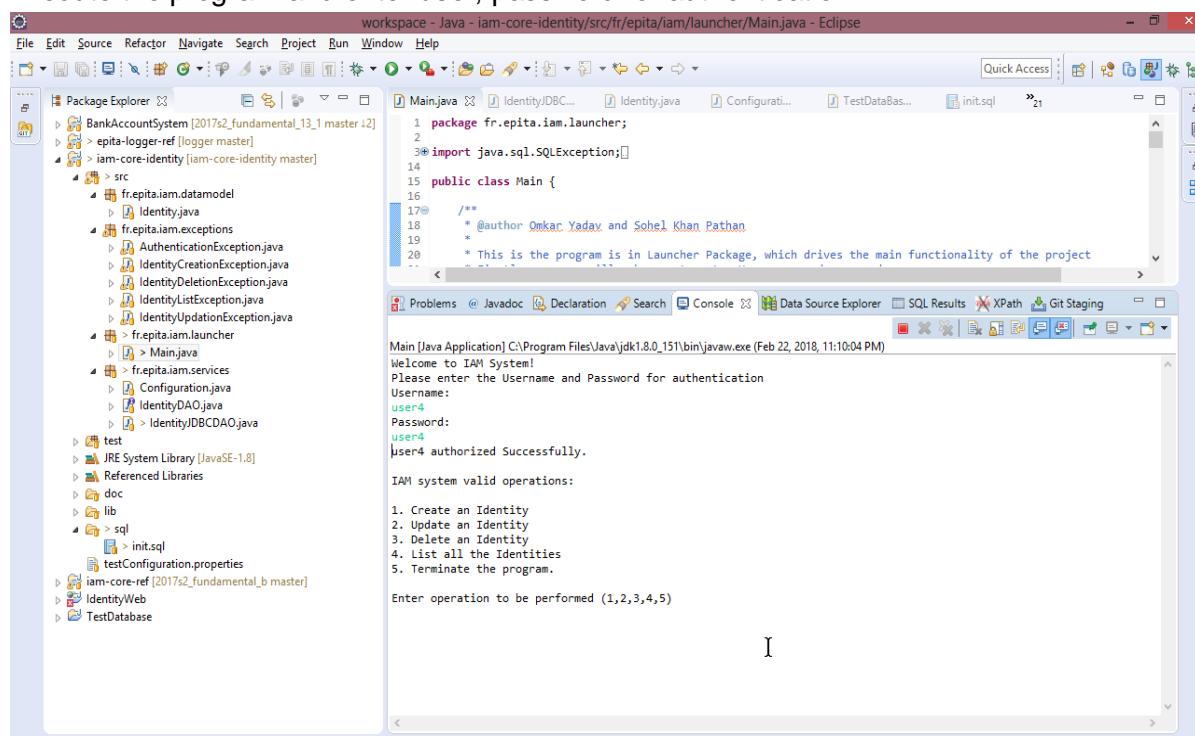


3.3.5. Table Identity after update operation is successfully performed.

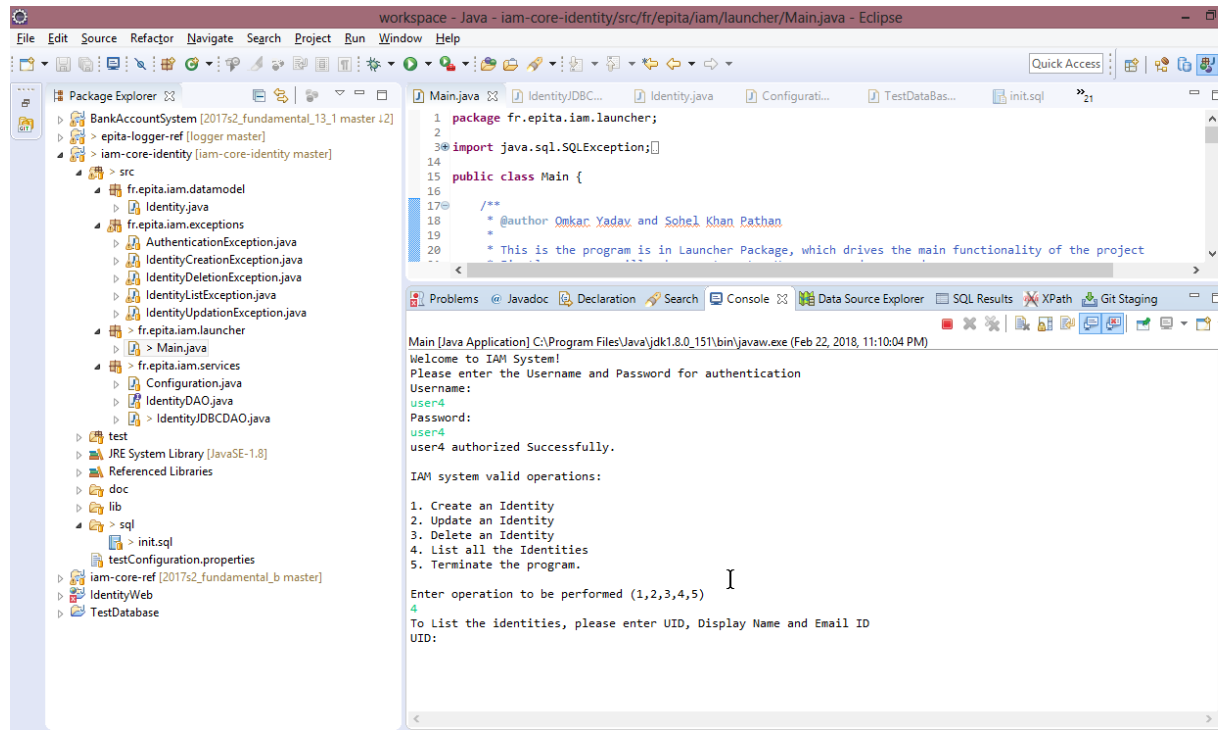


3.4. Identity Search Operation:

3.4.1. Execute the program and enter user, password for authentication.



3.4.2. To choose to list the Identities, enter Operation Number “4” and press Enter button.



3.4.3. Enter UID and Email ID or display name.

