Alexandria University
Faculty of Engineering
Computer Systems & Engineering
Department

جامعة الإسكندرية
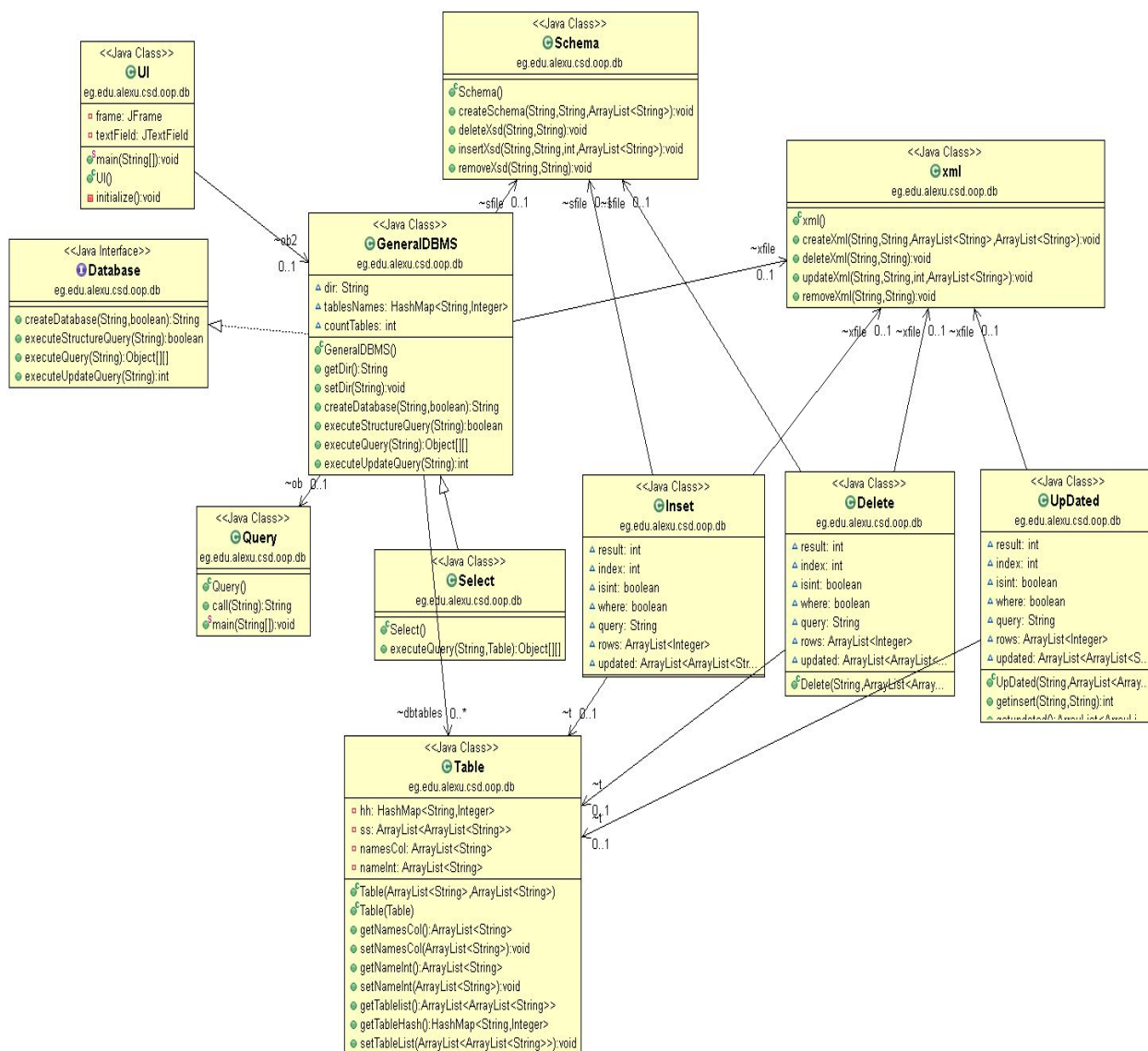**كلية الهندسة**
قسم هندسة الحاسب والنظم

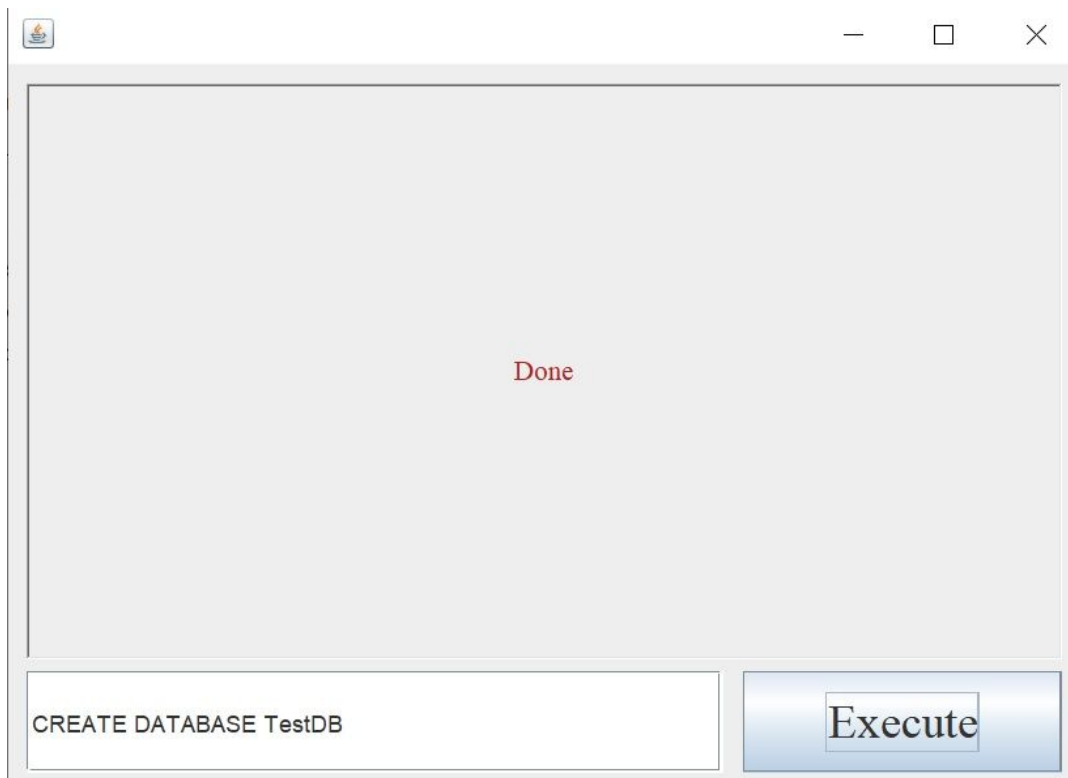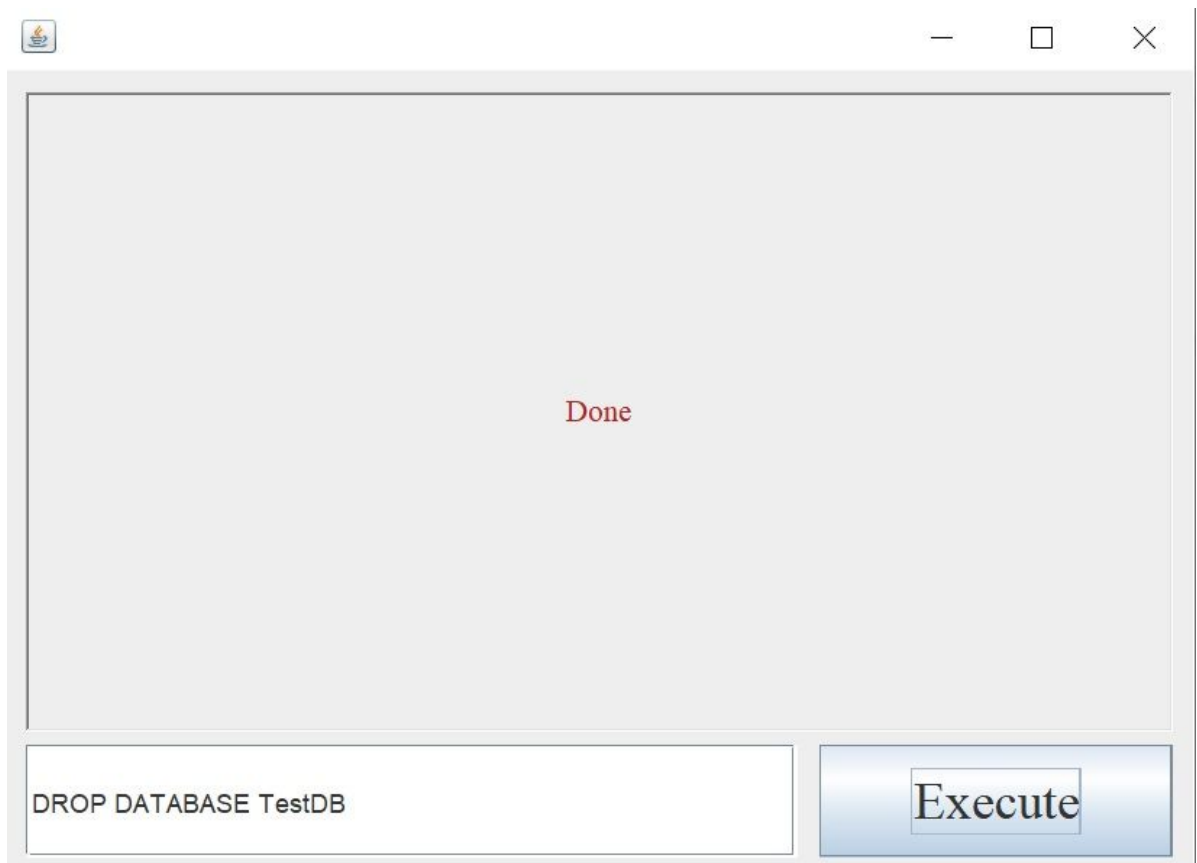# *Simple DBMS report*

- ## UML Diagram :

- Design :

  Application contains a text field to insert the query, button "Execute" to start the execution of the query, and a label to display the output.
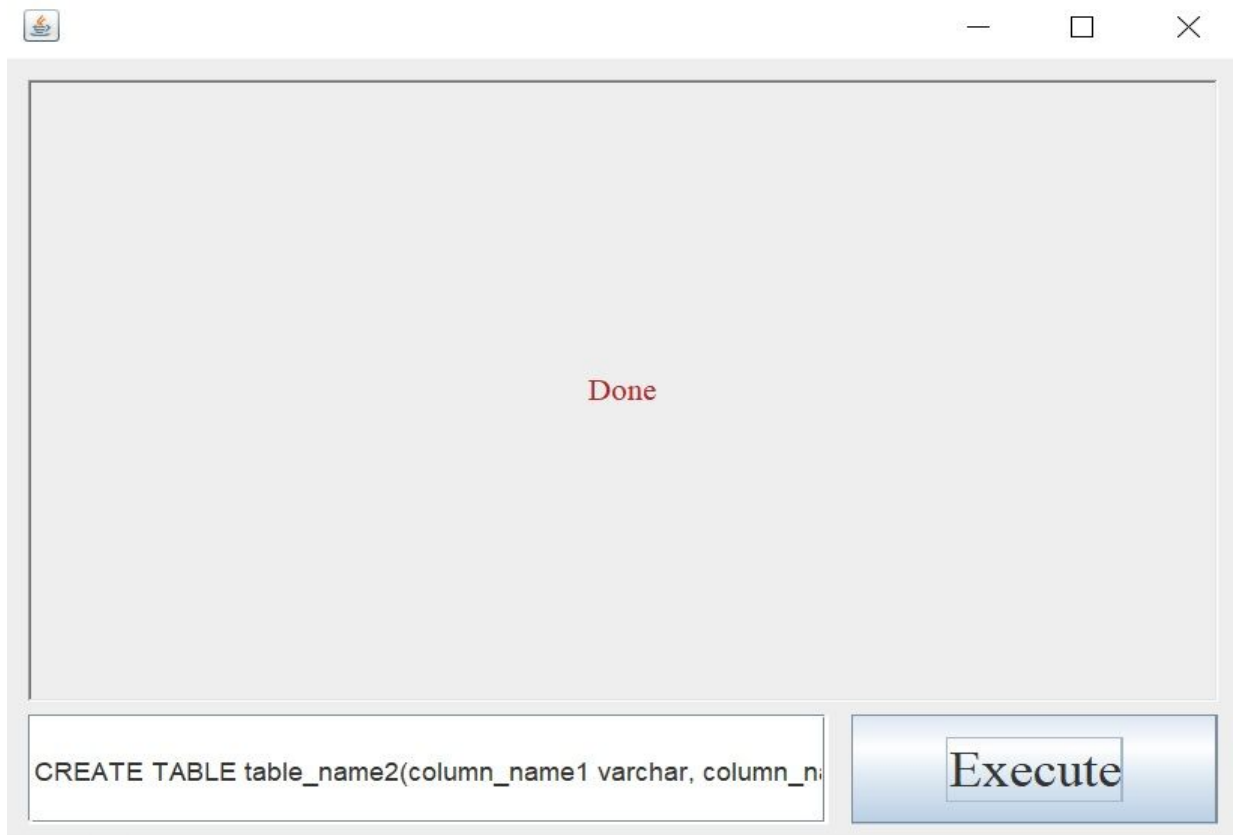
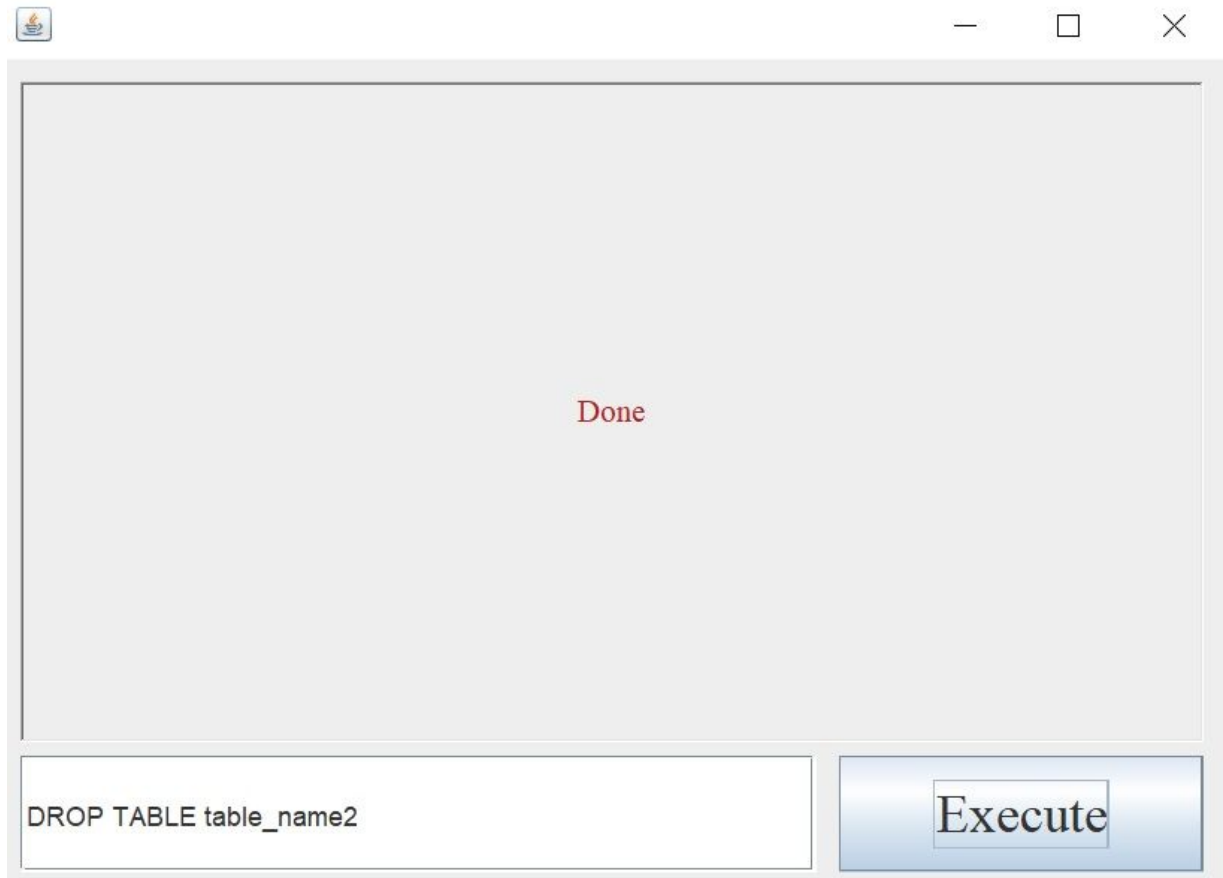- Snapshots of GUI:
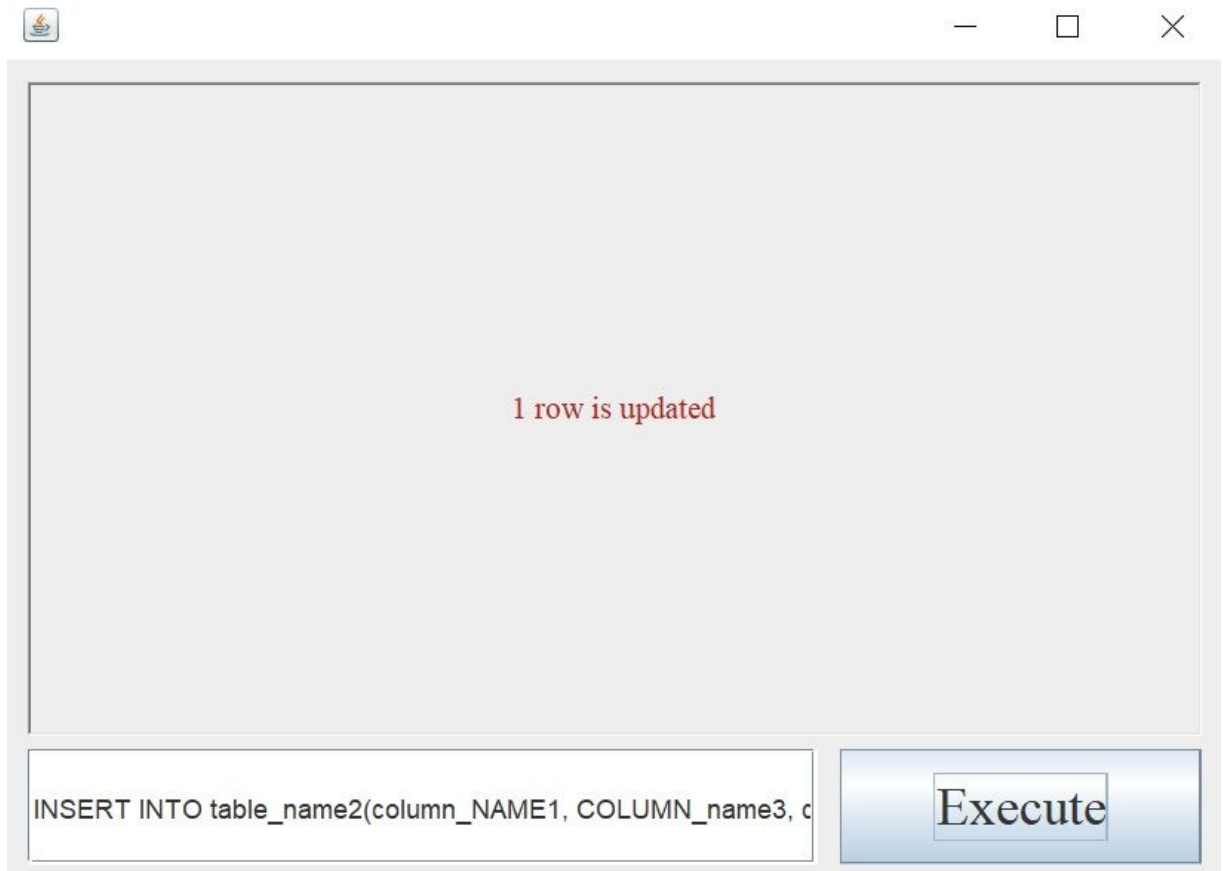
1. Create database:

2. Drop database:

3. Create table:

Done

CREATE TABLE table_name2(column_name1 varchar, column_na

Execute

4. Drop table:

5. Insert into table:
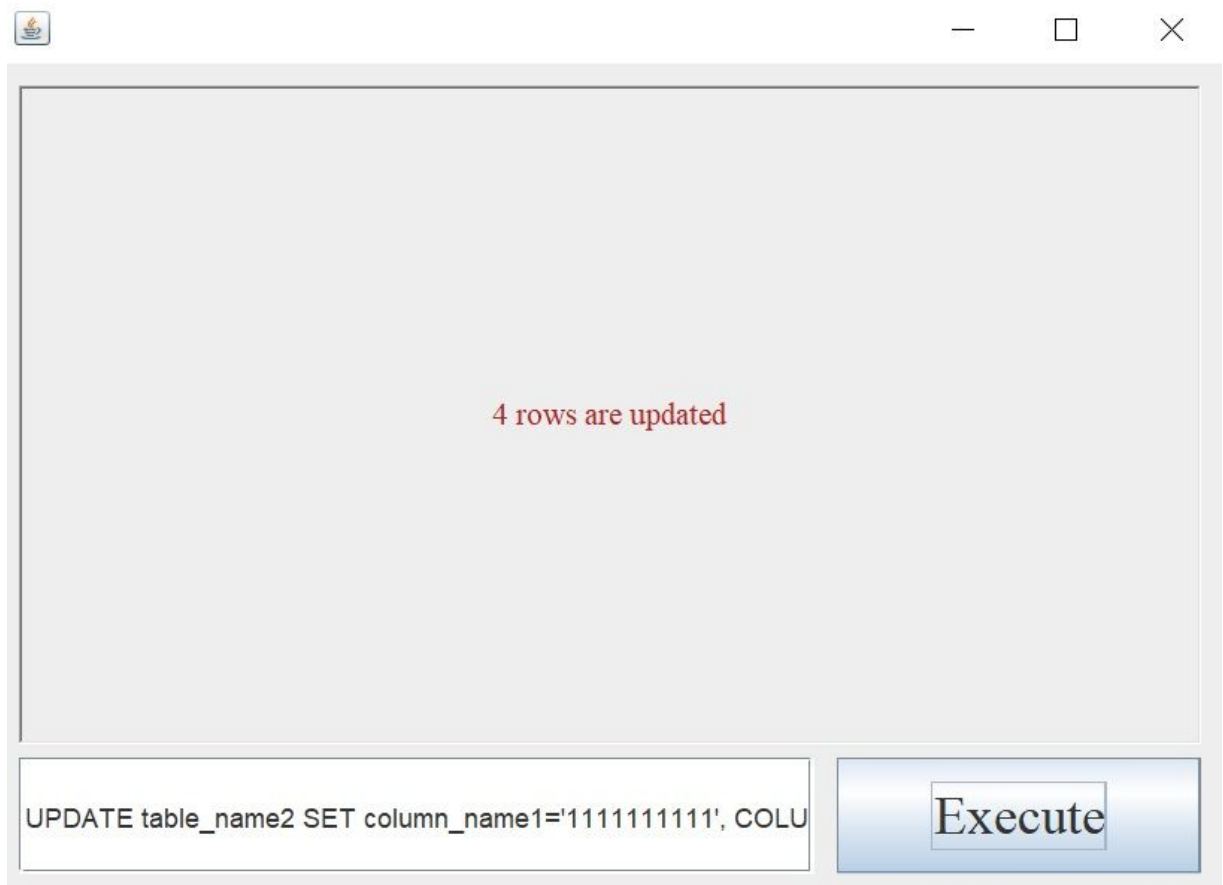
1 row is updated

INSERT INTO table_name2(column_NAME1, COLUMN_name3, c

Execute

6. Update table:

4 rows are updated

UPDATE table_name2 SET column_name1='1111111111', COLU

Execute
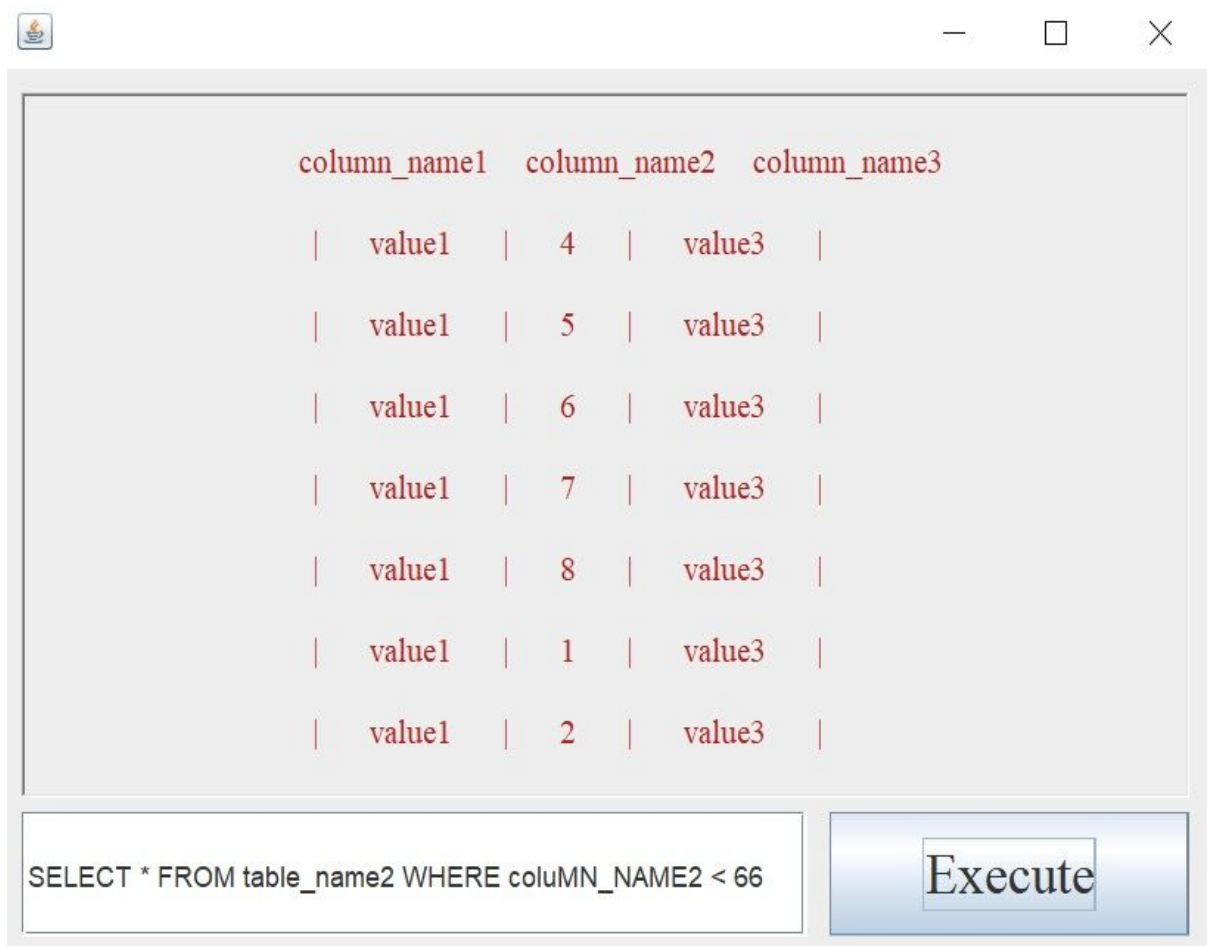
7. Select from table:

column_name1	column_name2	column_name3
| value1 |	4 |	value3 |
| value1 |	5 |	value3 |
| value1 |	6 |	value3 |
| value1 |	7 |	value3 |
| value1 |	8 |	value3 |
| value1 |	1 |	value3 |
| value1 |	2 |	value3 |

SELECT * FROM table_name2 WHERE coluMN_NAME2 < 66

Execute

8. Delete table:

7 rows are updated

DELETE From table_name2 WHERE coLUmn_NAME1='VAluE1'
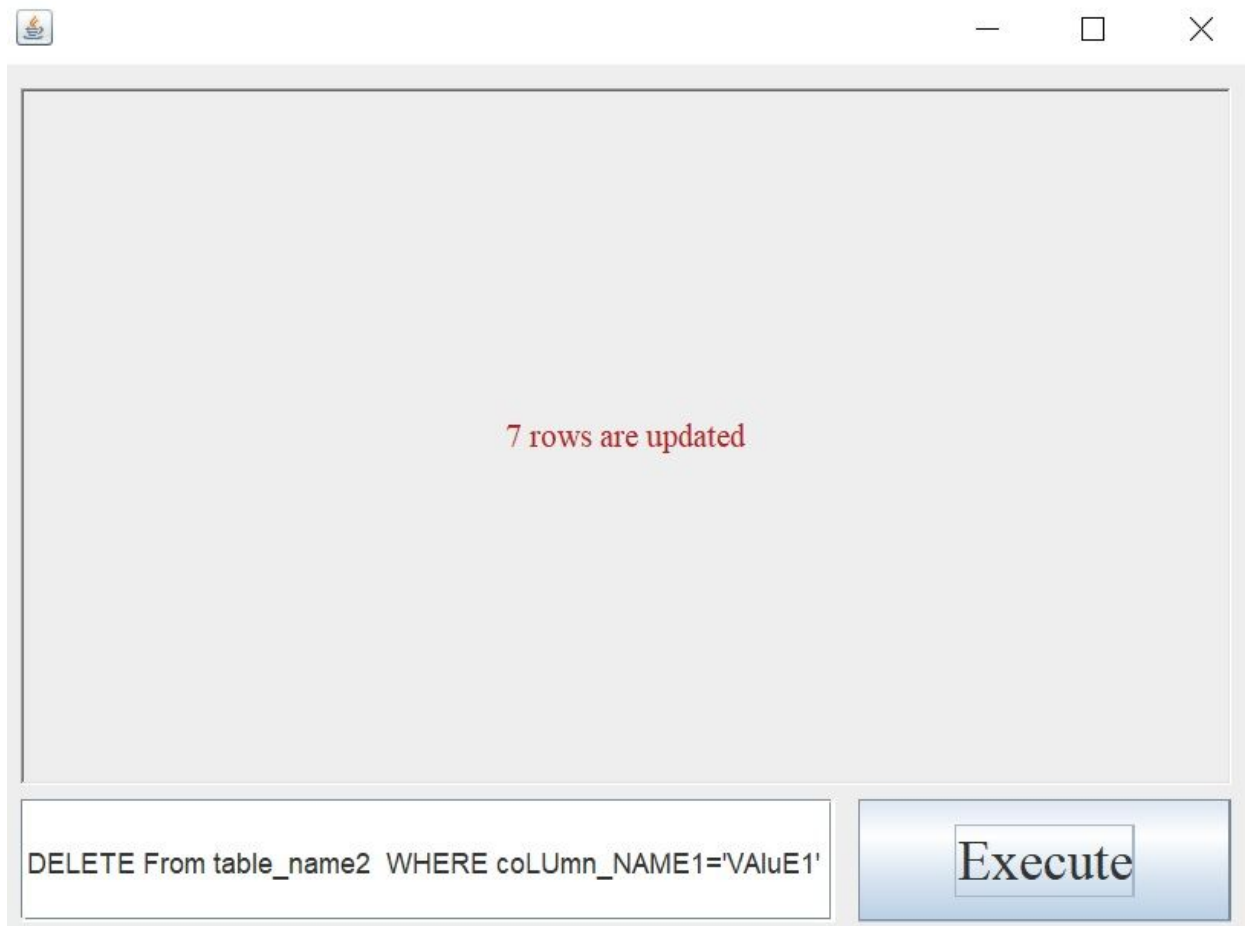
Execute

9. Create xml file:

```xml
<?xml version="1.0" encoding="UTF-8"?>
- <table_name1>
   - <column_name1 type="String">
        <id0>'11111111'</id0>
        <id1>value2</id1>
     </column_name1>
   - <column_name2 type="int">
        <id0>10</id0>
        <id1>6</id1>
     </column_name2>
   - <column_name3 type="String">
        <id0>'333333333'</id0>
        <id1>value4</id1>
     </column_name3>
  </table_name1>
```
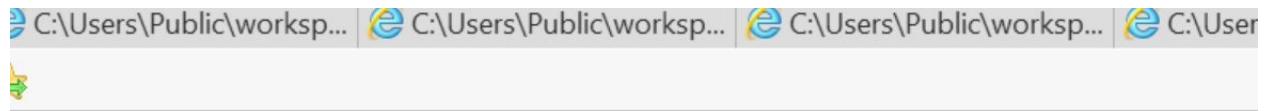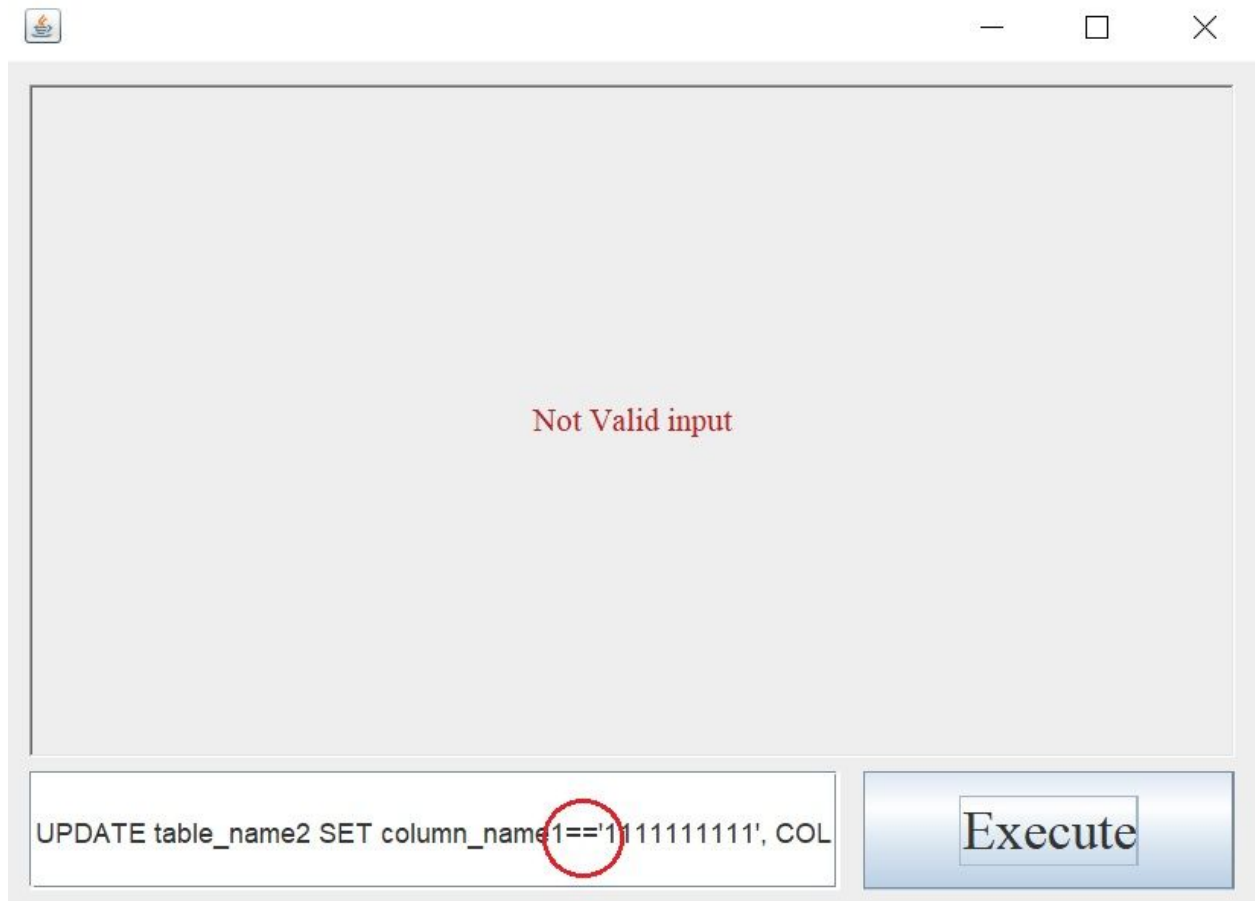
10. Not valid query:

Not Valid input

UPDATE table_name2 SET column_name1=='1111111111', COL

Execute

- User guide :

  1. Enter the query into the text field.
  2. Press the Execute button to start the execution of the query.

- Design decisions:

  1. Any invalid query will display message in the label.