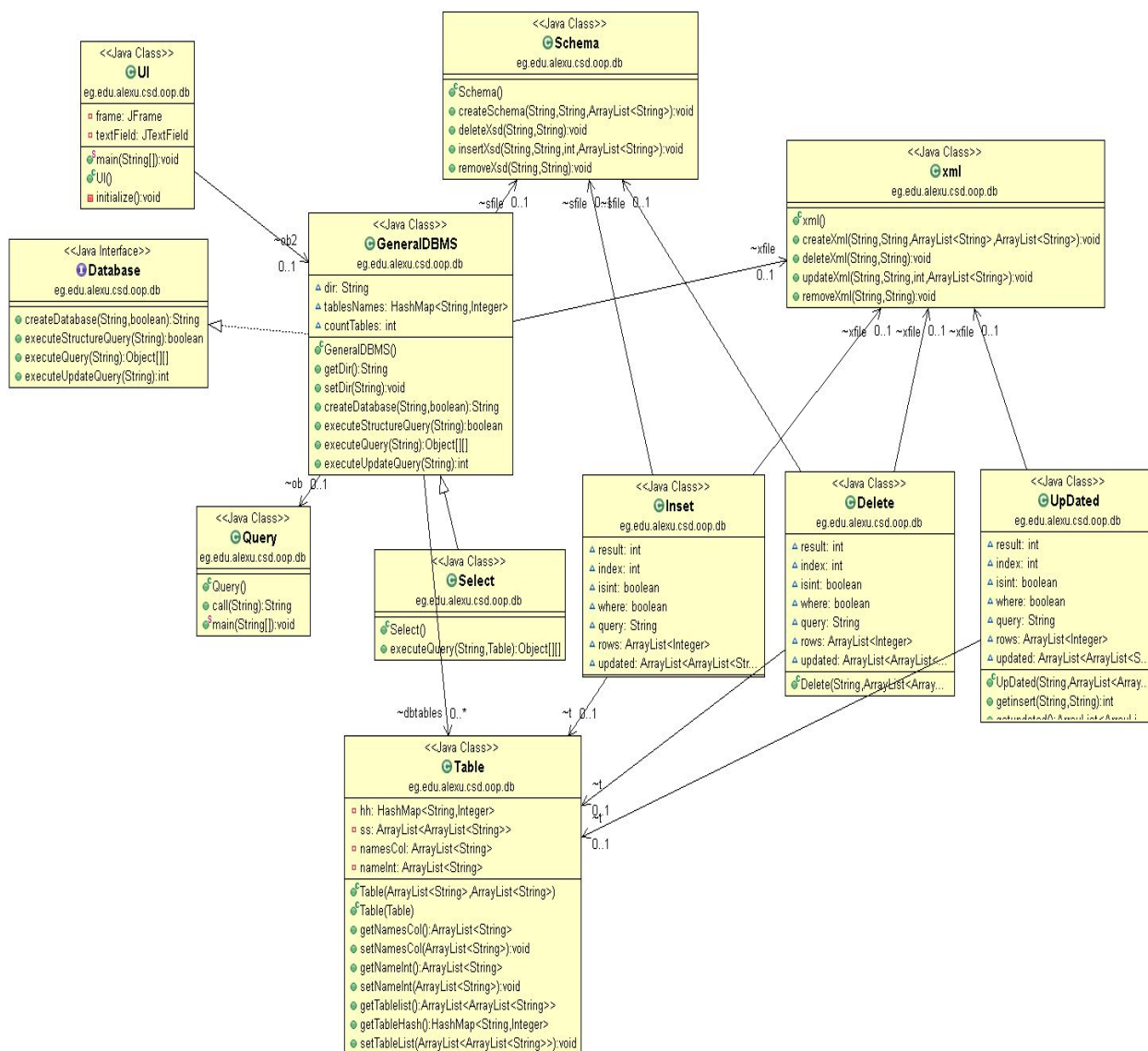




## Simple DBMS report

### UML Diagram :

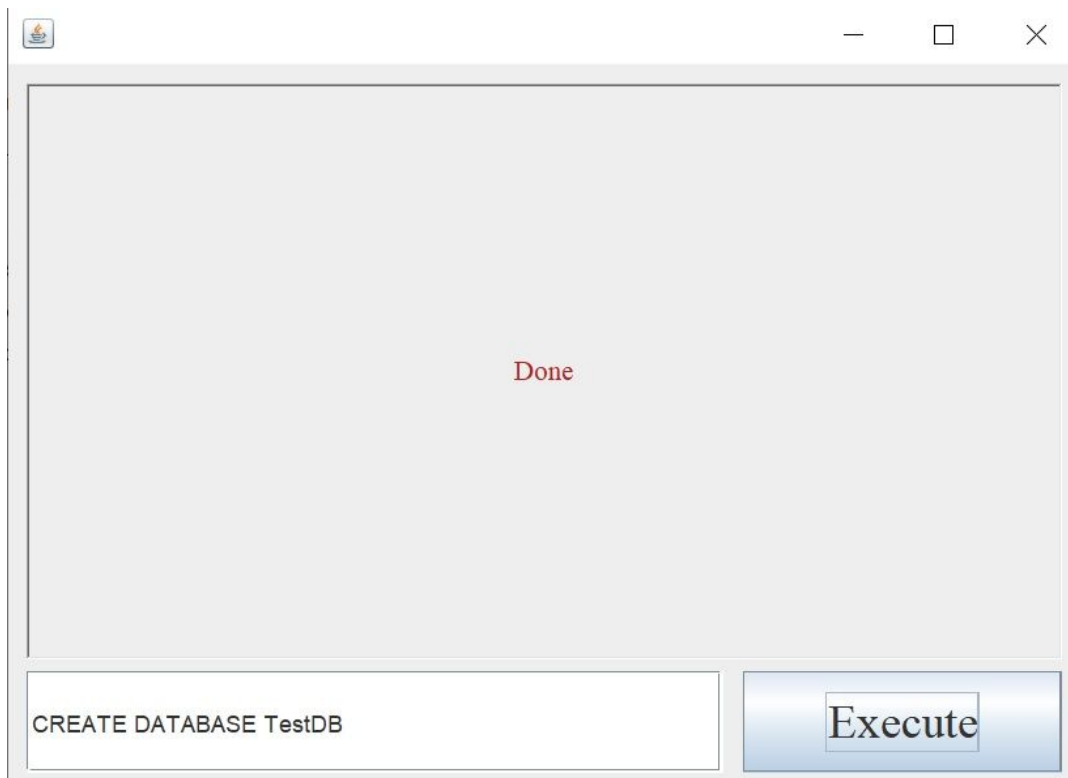


- Design :

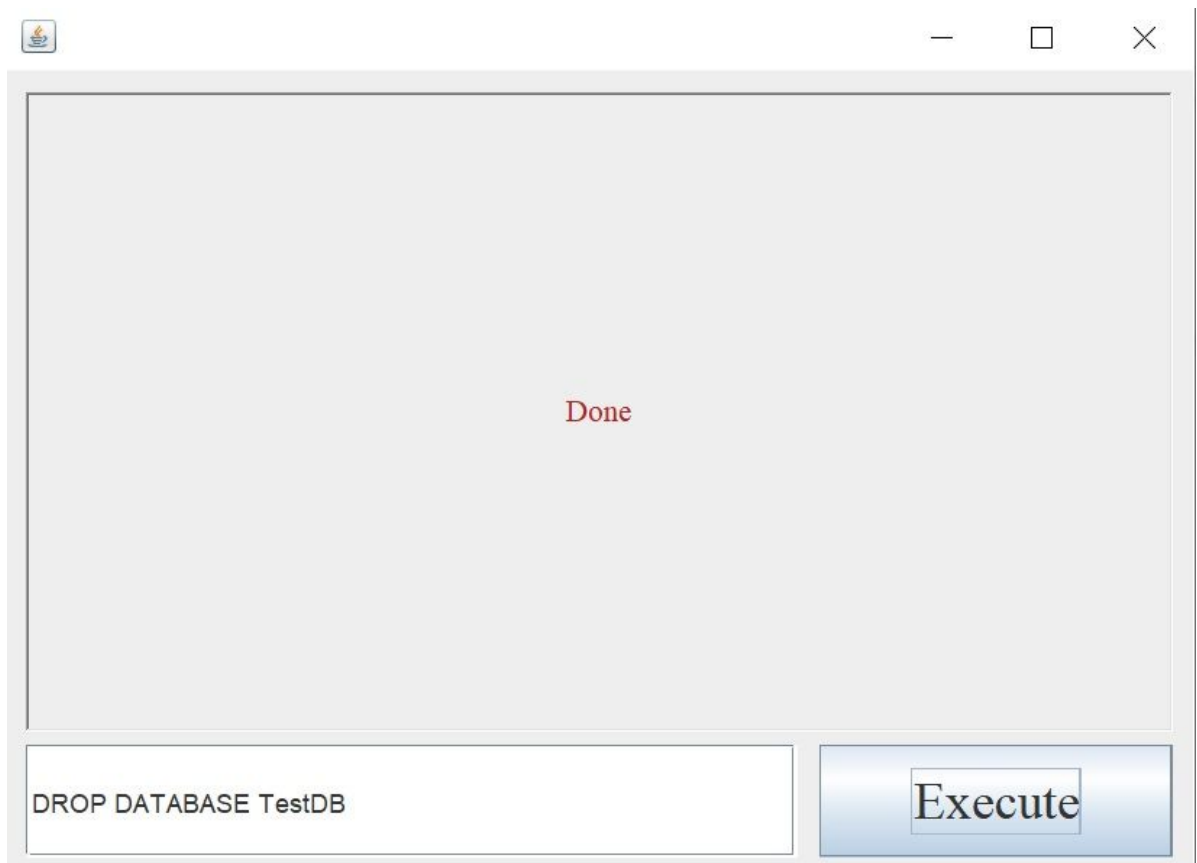
Application contains a text field to insert the query, button “Execute” to start the execution of the query, and a label to display the output.

- Snapshots of GUI:

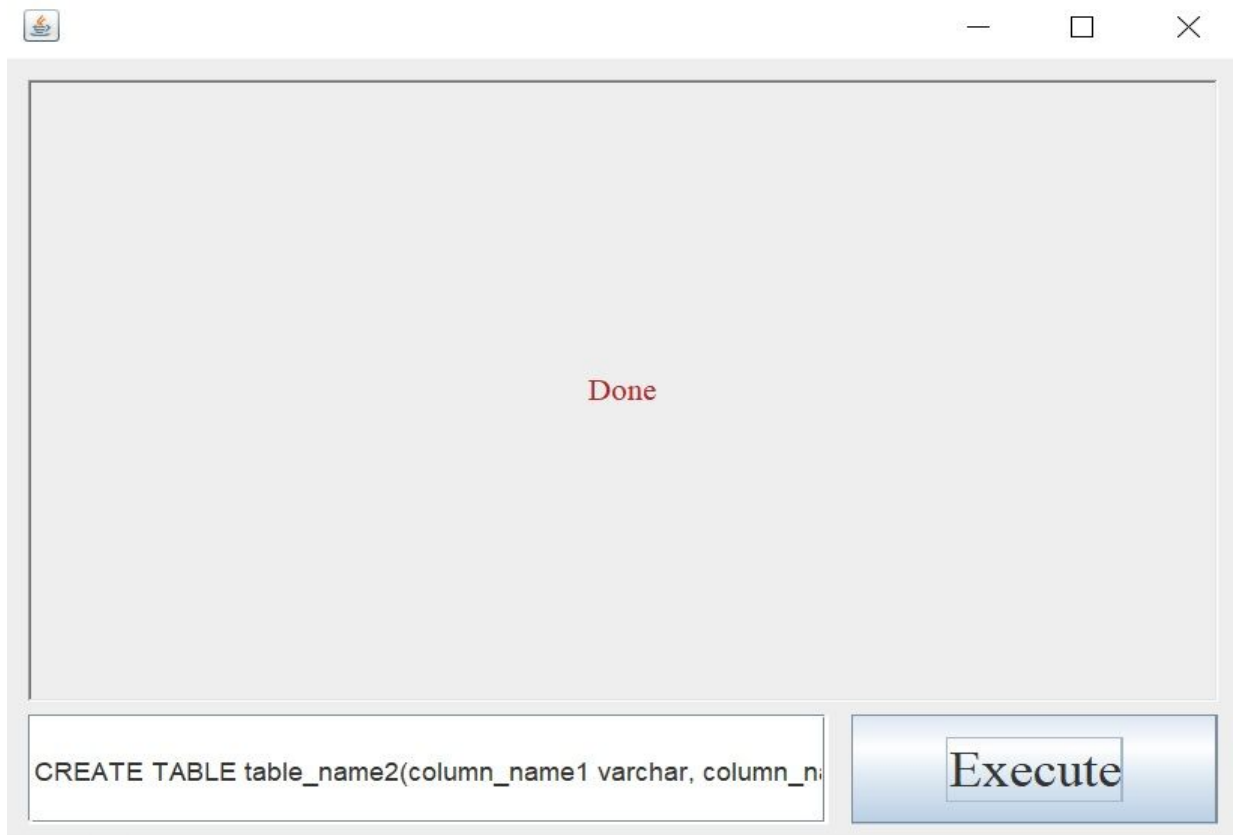
1. Create database:



## 2. Drop database:

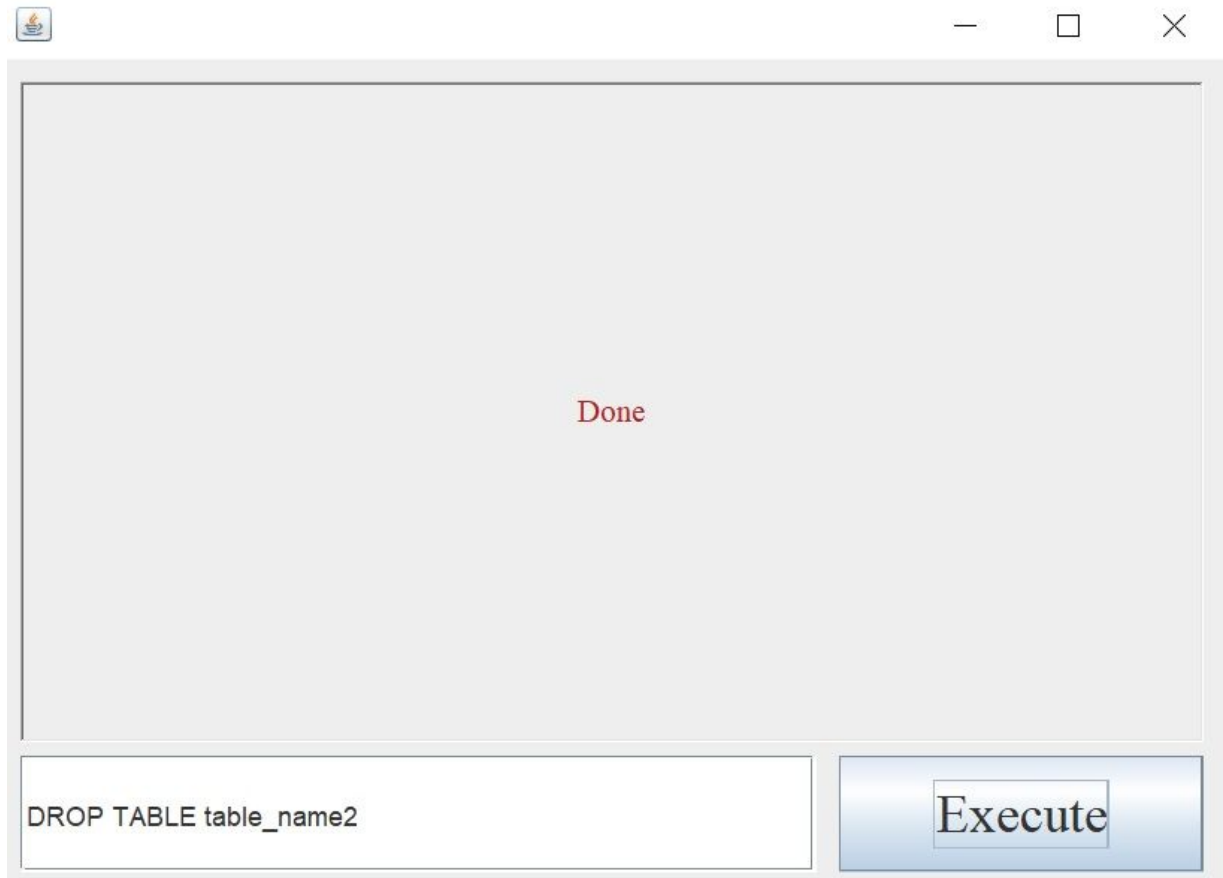


### 3. Create table:

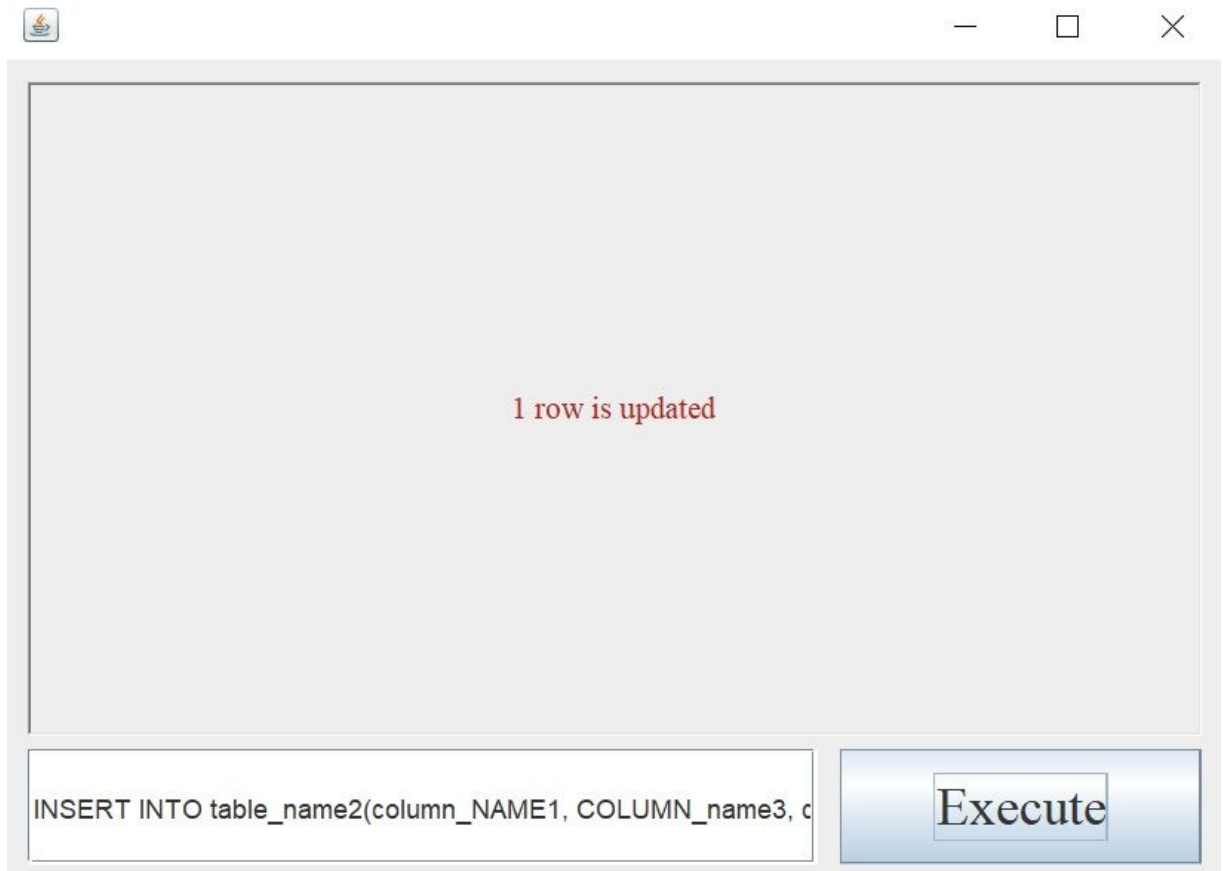


The image shows a screenshot of a database management application window. The window has a title bar with a small icon on the left and standard minimize, maximize, and close buttons on the right. The main area of the window is a large, light gray rectangle. In the center of this rectangle, the word "Done" is displayed in a red, serif font. At the bottom of the window, there is a horizontal bar. On the left side of this bar is a text input field containing the SQL command: `CREATE TABLE table_name2(column_name1 varchar, column_n`. On the right side of this bar is a blue button with the word "Execute" in white, serif font.

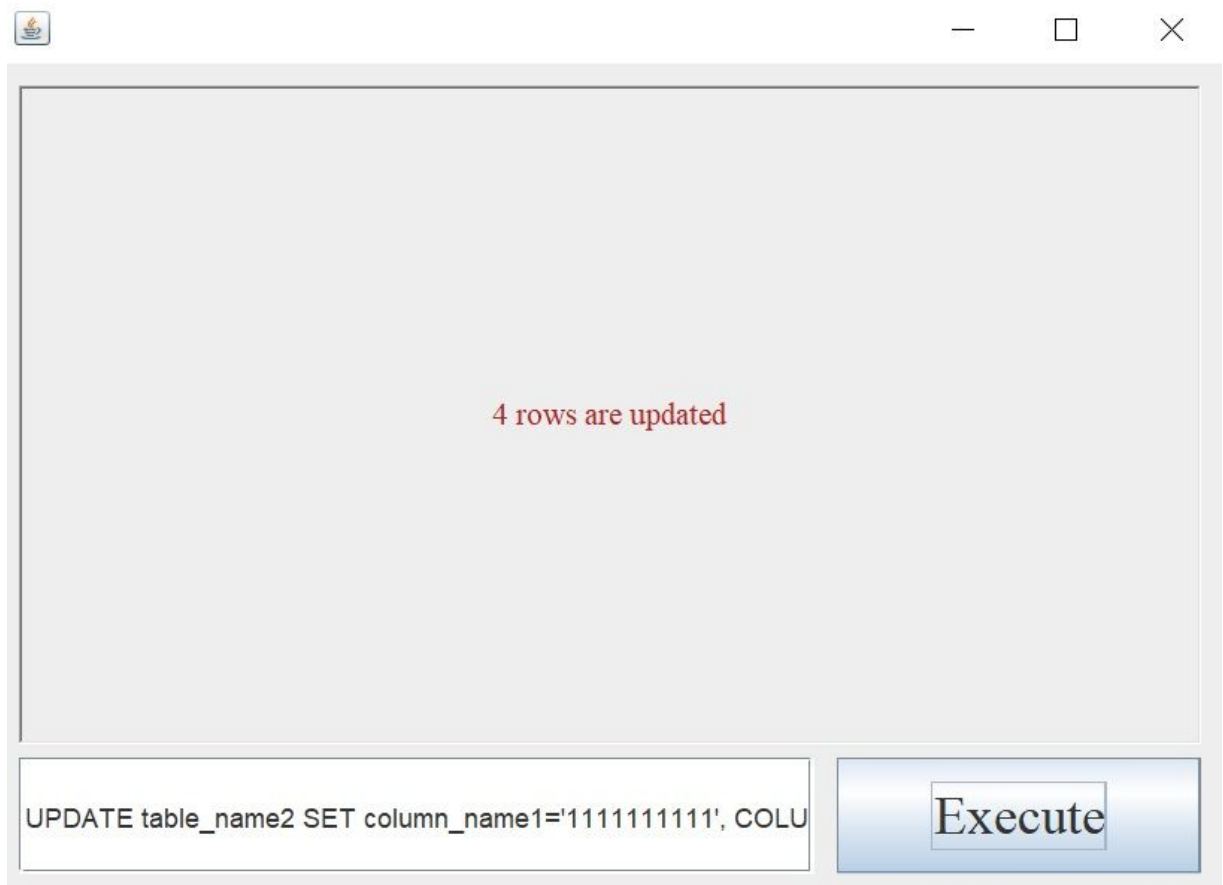
#### 4. Drop table:



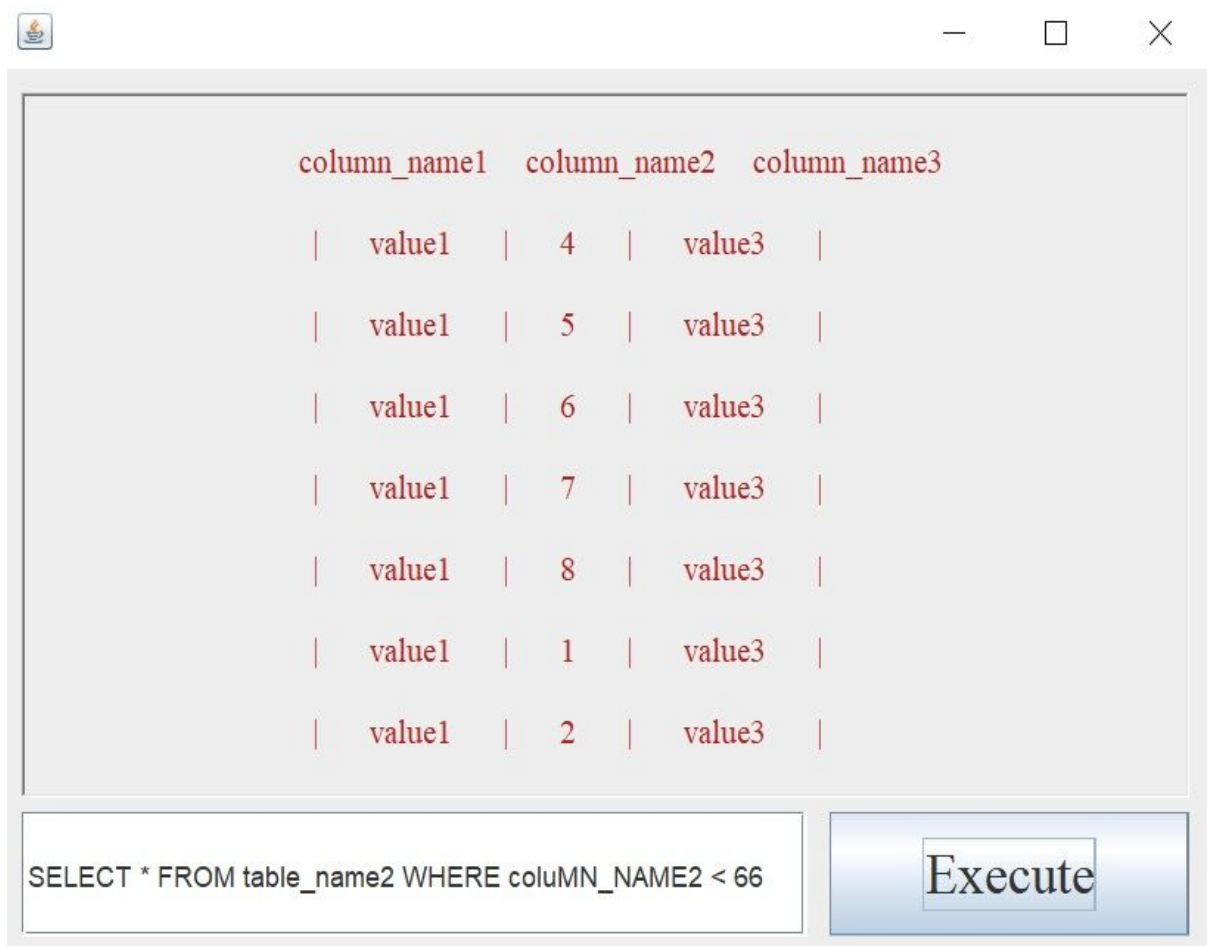
## 5. Insert into table:



## 6. Update table:



## 7. Select from table:



The screenshot shows a database query interface. At the top, there is a toolbar with a small icon, a minus sign, a square, and a close button (X). Below the toolbar is a large text area displaying a table with three columns: `column_name1`, `column_name2`, and `column_name3`. The table contains seven rows of data. Below the table is a text input field containing the SQL query: `SELECT * FROM table_name2 WHERE column_name2 < 66`. To the right of the input field is a blue button labeled "Execute".

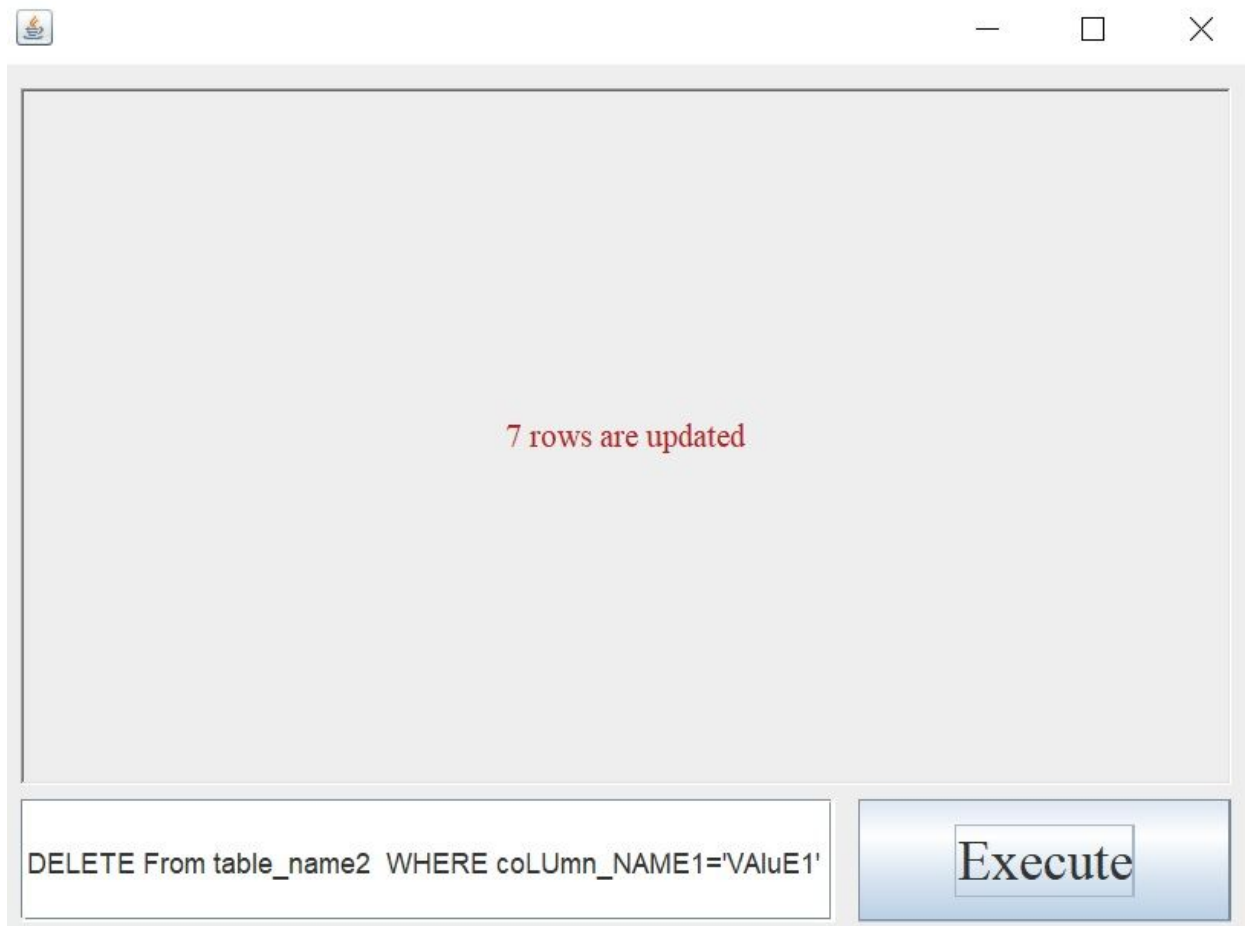
<code>column_name1</code>	<code>column_name2</code>	<code>column_name3</code>
value1	4	value3
value1	5	value3
value1	6	value3
value1	7	value3
value1	8	value3
value1	1	value3
value1	2	value3

```
SELECT * FROM table_name2 WHERE column_name2 < 66
```

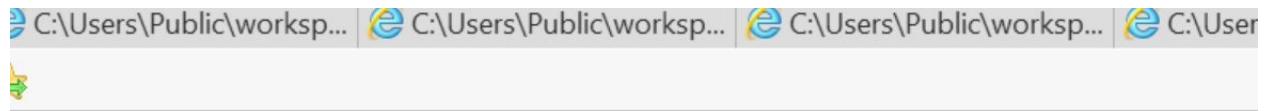
Execute



## 8. Delete table:

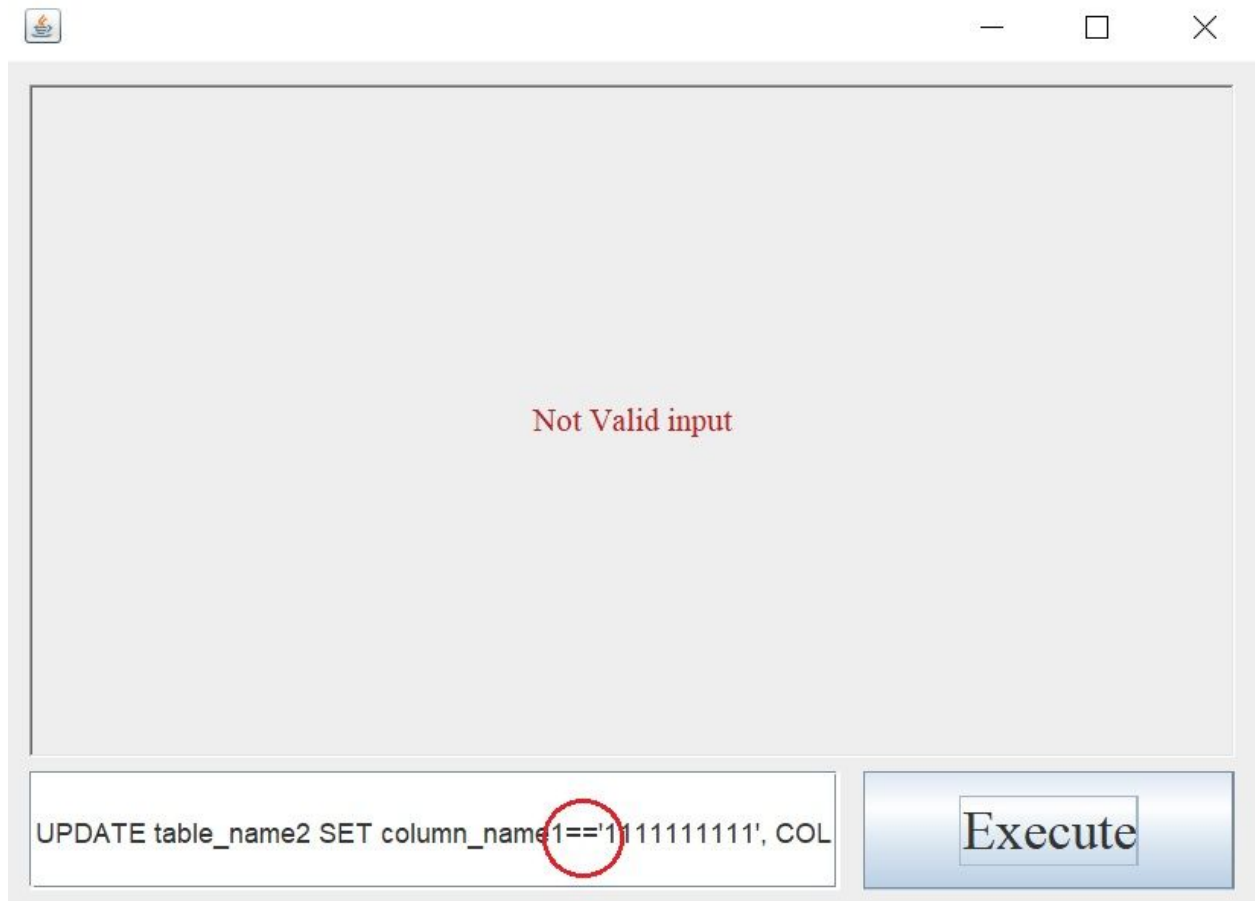


## 9. Create xml file:



```
<?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>'33333333'</id0>
    <id1>value4</id1>
  </column_name3>
</table_name1>
```

10. Not valid query:



- 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.