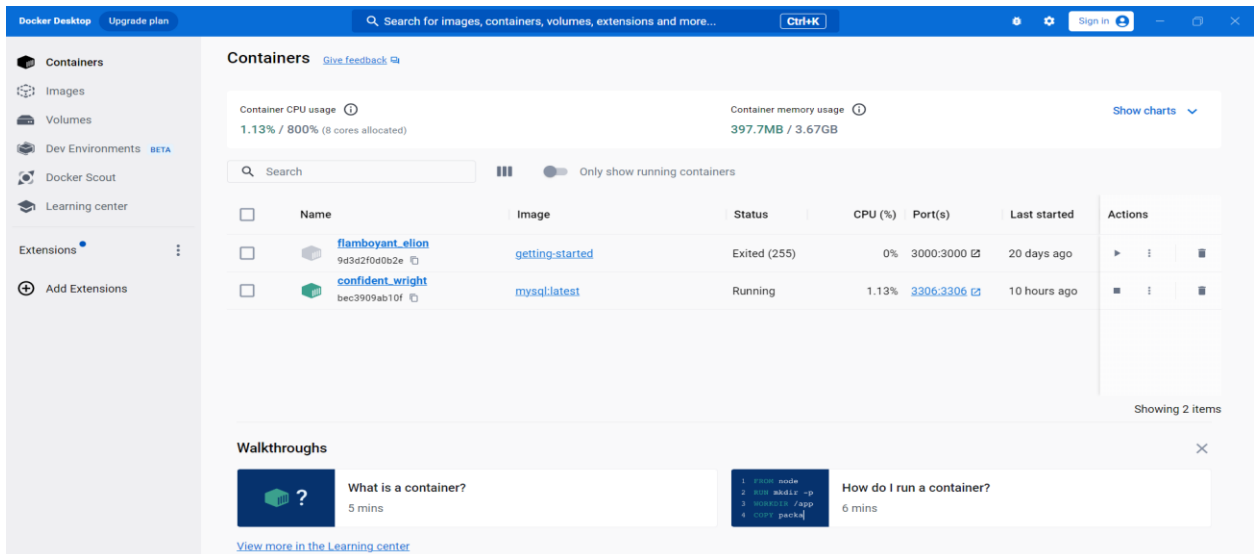


## Lab 7 - Database Connection with JDBC in Java Swing

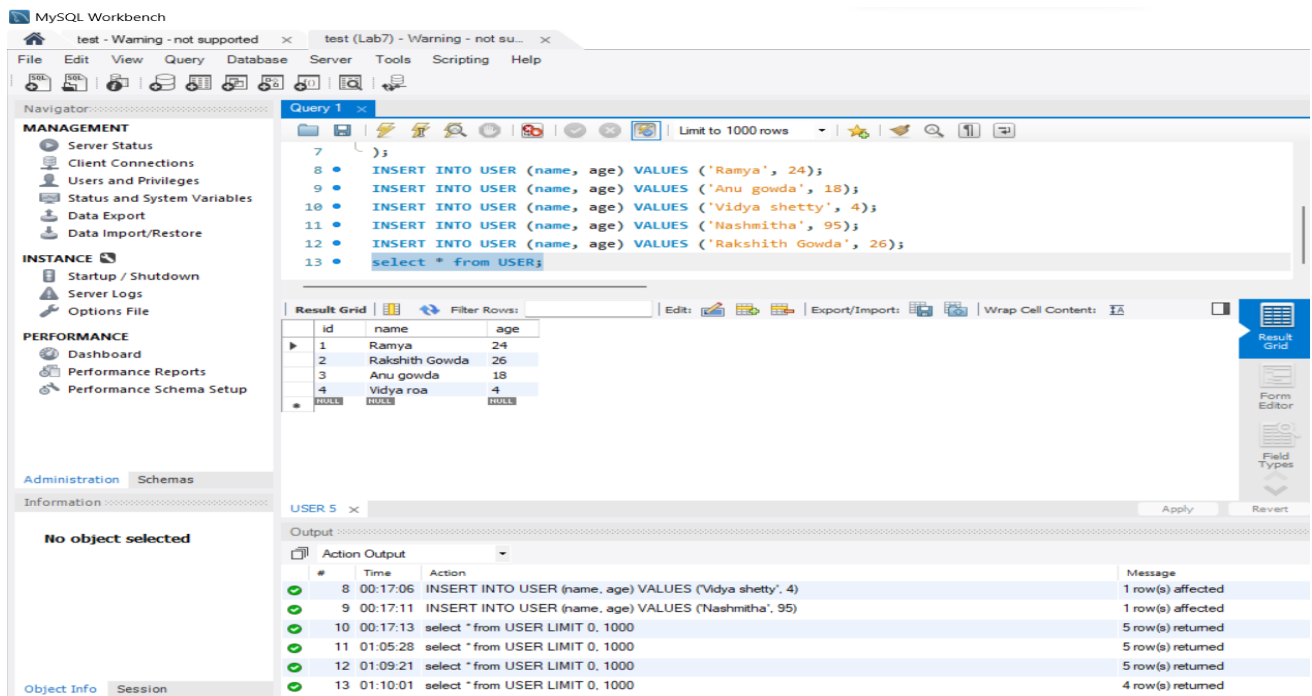
NUID: 002837410

SNAPSHOTS:

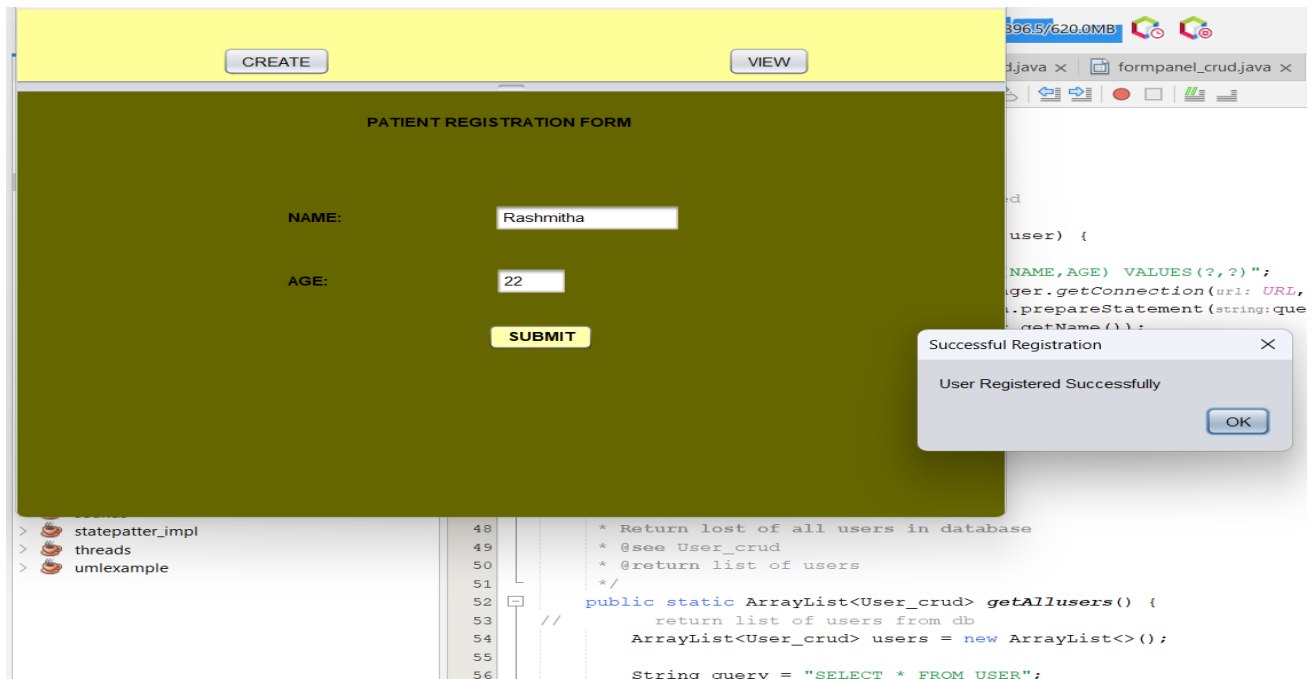
- Mysql running in docker



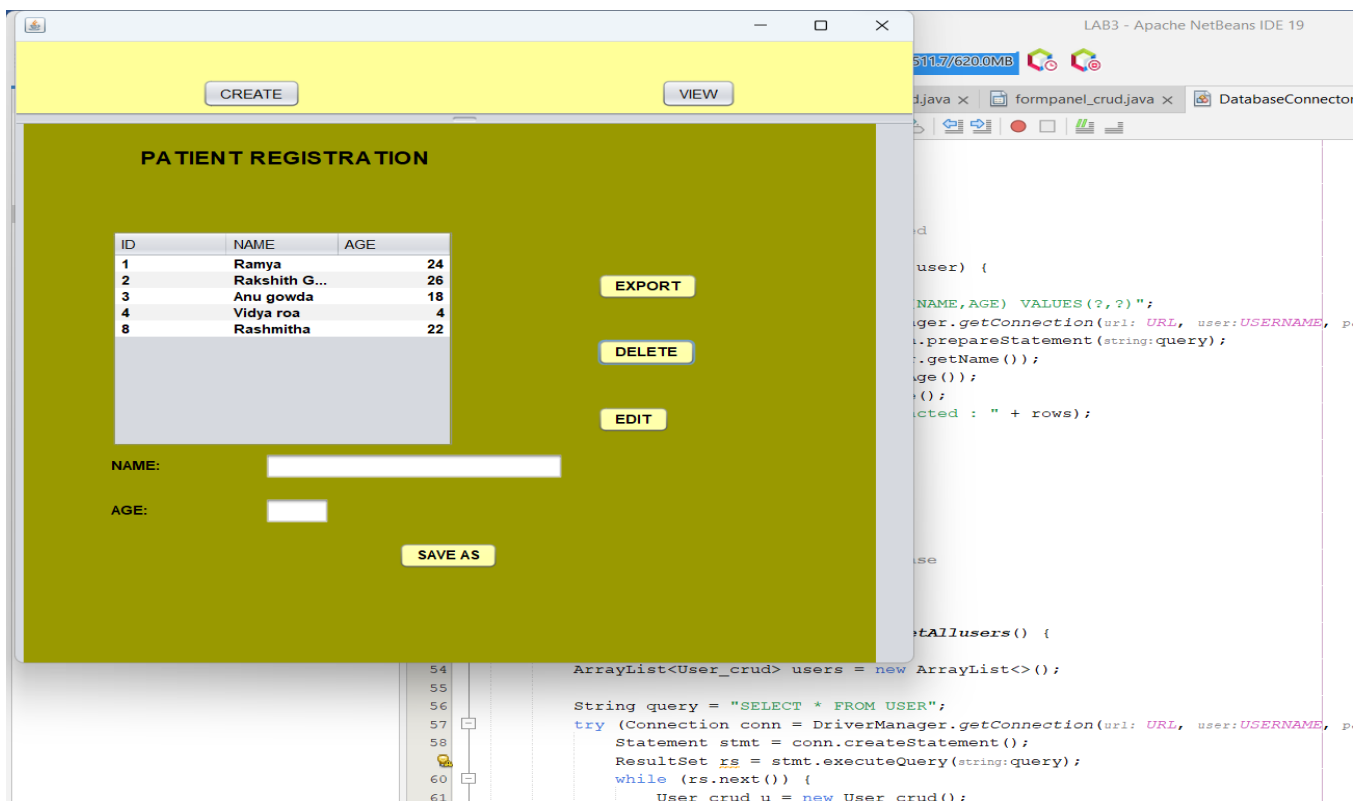
- User table values in workbench



- Insertion of new value to table



- Table values after insertion



- User table updated in DB

MySQL Workbench interface showing a query window with the following SQL statements:

```

7  );
8  INSERT INTO USER (name, age) VALUES ('Ramya', 24);
9  INSERT INTO USER (name, age) VALUES ('Anu gowda', 18);
10 INSERT INTO USER (name, age) VALUES ('Vidya shetty', 4);
11 INSERT INTO USER (name, age) VALUES ('Nashmitha', 95);
12 INSERT INTO USER (name, age) VALUES ('Rakshith Gowda', 26);
13 select * from USER;

```

The Result Grid shows the output of the query:

id	name	age
1	Ramya	24
2	Rakshith Gowda	26
3	Anu gowda	18
4	Vidya roa	4
8	Rashmitha	22

The Output window shows the execution log:

#	Time	Action	Message
9	00:17:11	INSERT INTO USER (name, age) VALUES ('Nashmitha', 95)	1 row(s) affected
10	00:17:13	select * from USER LIMIT 0, 1000	5 row(s) returned
11	01:05:28	select * from USER LIMIT 0, 1000	5 row(s) returned
12	01:09:21	select * from USER LIMIT 0, 1000	5 row(s) returned
13	01:10:01	select * from USER LIMIT 0, 1000	4 row(s) returned
14	01:14:33	select * from USER LIMIT 0, 1000	5 row(s) returned

- Deleting a value from table

Java Swing application titled "PATIENT REGISTRATION" with a table of patient data:

ID	NAME	AGE
1	Ramya	24
2	Rakshith G...	26
3	Anu gowda	18
4	Vidya roa	4
10	rashmitha	22

Buttons: CREATE, VIEW, EXPORT, DELETE, EDIT, SAVE AS.

Form fields: NAME: [text box], AGE: [text box].

Dialog box: Successfully Deleted. User Deleted Successfully. OK.

- Table after deletion updated in DB

MySQL Workbench interface showing a query window with the following SQL statements:

```

7 );
8 • INSERT INTO USER (name, age) VALUES ('Ramya', 24);
9 • INSERT INTO USER (name, age) VALUES ('Anu gowda', 18);
10 • INSERT INTO USER (name, age) VALUES ('Vidya shetty', 4);
11 • INSERT INTO USER (name, age) VALUES ('Nashmitha', 95);
12 • INSERT INTO USER (name, age) VALUES ('Rakshith Gowda', 26);
13 • select * from USER;

```

The Result Grid shows the data returned by the query:

id	name	age
1	Ramya	24
2	Rakshith Gowda	26
3	Anu gowda	18
4	Vidya roa	4
NULL	NULL	NULL

The bottom panel shows the 'Output' tab with 'Action Output' selected, displaying a log of database actions and their results:

#	Time	Action	Message
10	00:17:13	select * from USER LIMIT 0, 1000	5 row(s) returned
11	01:05:28	select * from USER LIMIT 0, 1000	5 row(s) returned
12	01:09:21	select * from USER LIMIT 0, 1000	5 row(s) returned
13	01:10:01	select * from USER LIMIT 0, 1000	4 row(s) returned
14	01:14:33	select * from USER LIMIT 0, 1000	5 row(s) returned
15	01:17:33	select * from USER LIMIT 0, 1000	4 row(s) returned

- Updation of table values

The application window displays a table of patient data:

ID	NAME	AGE
1	Ramya	24
2	Rakshith G...	26
3	Anu gowda	18
4	Vidya roa	4

Below the table, there are input fields for 'NAME:' (containing 'Vidya Bhat') and 'AGE:' (containing '22'). Buttons for 'CREATE', 'VIEW', 'EXPORT', 'DELETE', 'EDIT', and 'SAVE' are visible.

A dialog box titled 'Successful Edit' is shown, with the message 'User Edited Successfully' and an 'OK' button.

- Table after Updation

MySQL Workbench

test - Warning - not supported x test (Lab7) - Warning - not su... x

File Edit View Query Database Server Tools Scripting Help

Navigator

MANAGEMENT

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- Data Import/Restore

INSTANCE

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- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

Administration Schemas

Information

No object selected

Object Info Session

Query 1

```
7 }
8 INSERT INTO USER (name, age) VALUES ('Ramya', 24);
9 INSERT INTO USER (name, age) VALUES ('Anu Gowda', 18);
10 INSERT INTO USER (name, age) VALUES ('Vidya shetty', 4);
11 INSERT INTO USER (name, age) VALUES ('Nashmitha', 95);
12 INSERT INTO USER (name, age) VALUES ('Rakshith Gowda', 26);
13 select * from USER
```

Limit to 1000 rows

Result Grid

#	id	name	age
1	1	Ramya	24
2	2	Rakshith Gowda	26
3	3	Anu Gowda	18
4	4	Vidya Bhat	22

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Output

Action Output

#	Time	Action	Message	Duration / Fetch
11	01:05:28	select * from USER LIMIT 0, 1000	5 row(s) returned	0.094 sec / 0.000 sec
12	01:09:21	select * from USER LIMIT 0, 1000	5 row(s) returned	0.016 sec / 0.000 sec
13	01:10:01	select * from USER LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec
14	01:14:33	select * from USER LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
15	01:17:33	select * from USER LIMIT 0, 1000	4 row(s) returned	0.016 sec / 0.000 sec
16	01:20:48	select * from USER LIMIT 0, 1000	4 row(s) returned	0.000 sec / 0.000 sec

Query Completed

40°F Mostly clear

Search

1:20 AM 11/14/2023