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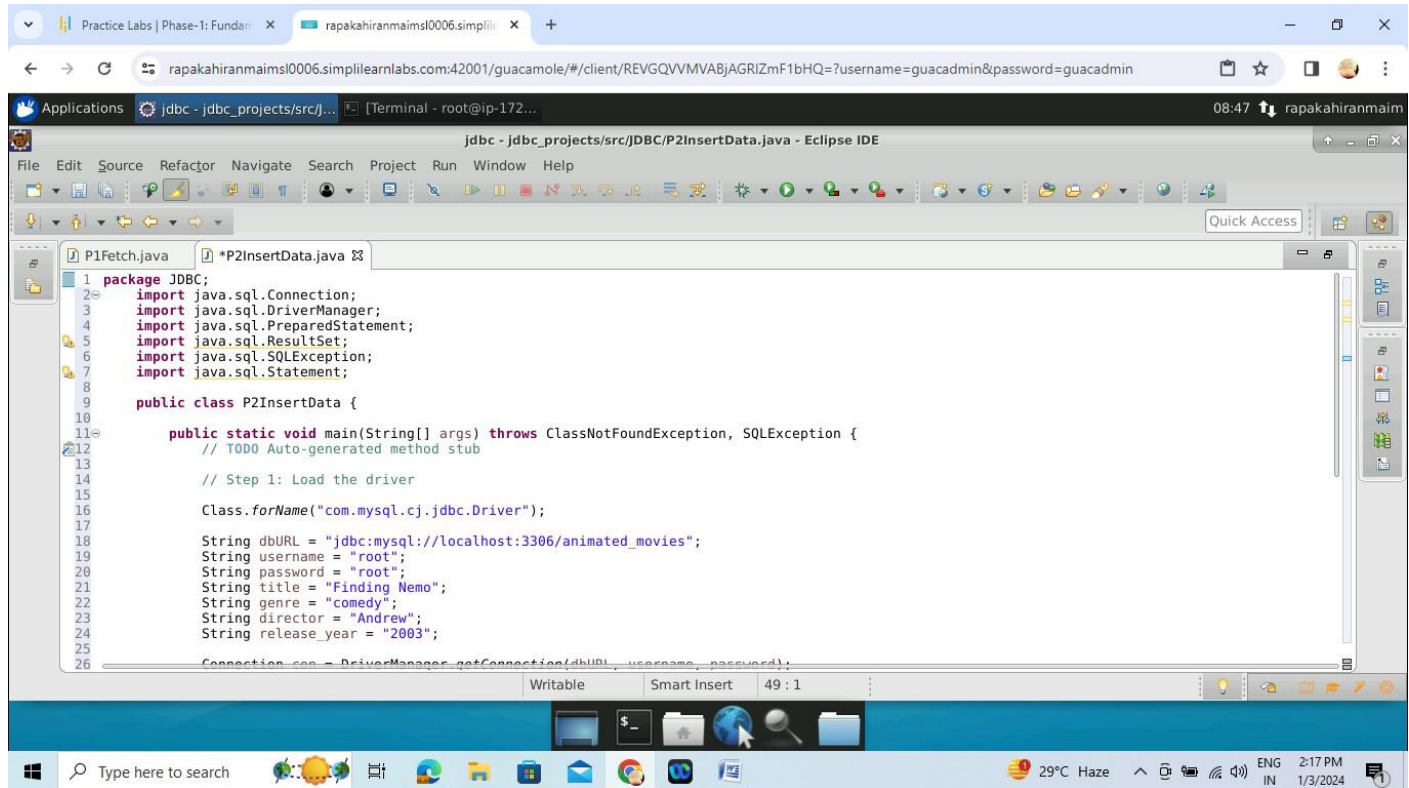
ASSISTED PROJECT – 1

Set Up a JDBC Environment.

[illegible]

ASSISTED PROJECT – 2

JDBC Connections, Statements, and Result Sets.



The screenshot shows a web browser at the top with the URL `rapakahiranmains0006.simplilearnlabs.com:42001/guacamole/#/client/REVGQVVMVABjAGRIZmF1bHQ=?username=guacadmin&password=guacadmin`. Below the browser is the Eclipse IDE interface. The title bar indicates the project is `jdbc - jdbc_projects/src/JDBC/P2InsertData.java - Eclipse IDE`. The menu bar includes File, Edit, Source, Refactor, Navigate, Search, Project, Run, Window, and Help. The toolbar contains various icons for file operations and development tools. The editor shows two tabs: `P1Fetch.java` and `*P2InsertData.java`. The `P2InsertData.java` file contains the following code:

```
1 package JDBC;
2 import java.sql.Connection;
3 import java.sql.DriverManager;
4 import java.sql.PreparedStatement;
5 import java.sql.ResultSet;
6 import java.sql.SQLException;
7 import java.sql.Statement;
8
9
10 public class P2InsertData {
11
12     public static void main(String[] args) throws ClassNotFoundException, SQLException {
13         // TODO Auto-generated method stub
14
15         // Step 1: Load the driver
16         Class.forName("com.mysql.cj.jdbc.Driver");
17
18         String dbURL = "jdbc:mysql://localhost:3306/animated_movies";
19         String username = "root";
20         String password = "root";
21         String title = "Finding Nemo";
22         String genre = "comedy";
23         String director = "Andrew";
24         String release_year = "2003";
25
26         Connection con = DriverManager.getConnection(dbURL, username, password);
```

The Windows taskbar at the bottom shows the search bar, task view, and several application icons. The system tray on the right displays the temperature (29°C), weather (Haze), and the date and time (2:17 PM, 1/3/2024).

Stored Procedures and Exception Handling.

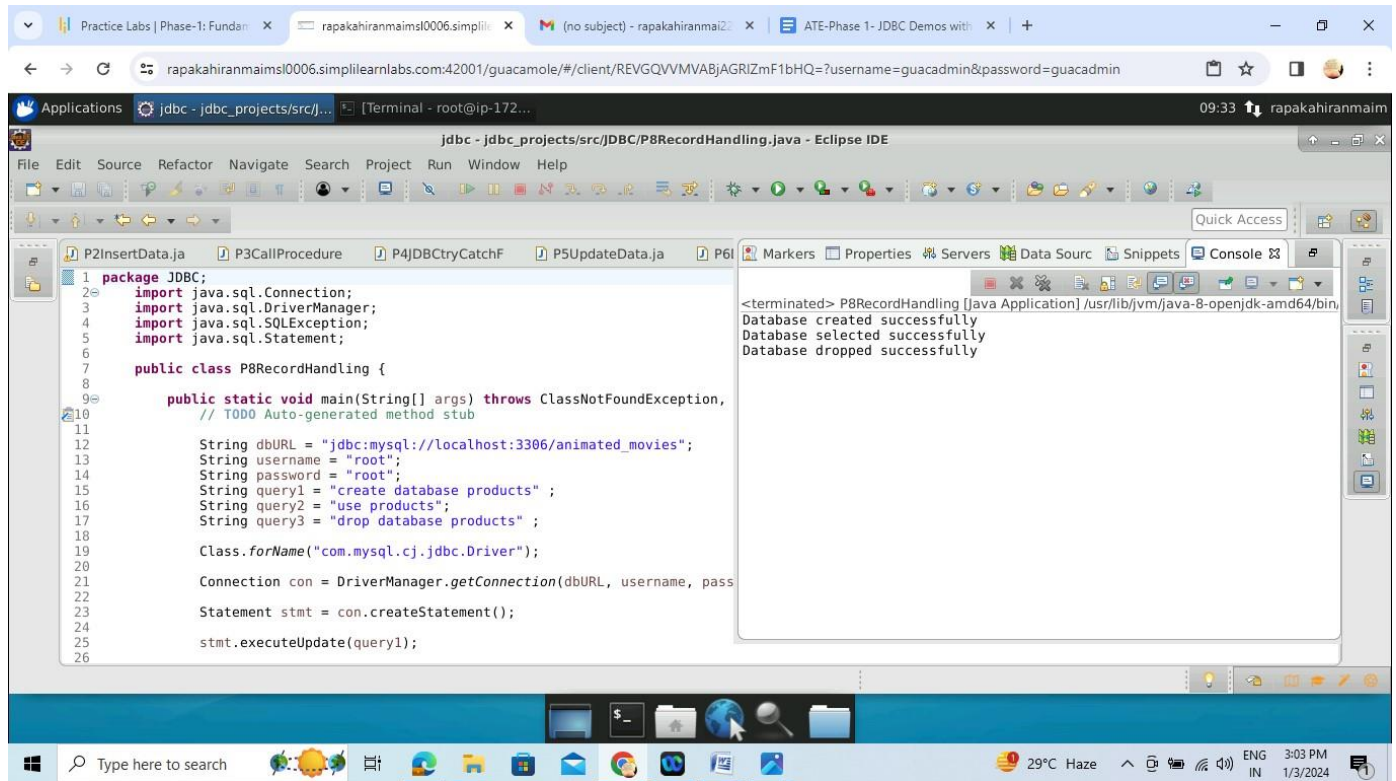
[illegible]

Create, Select, and Drop a Database.



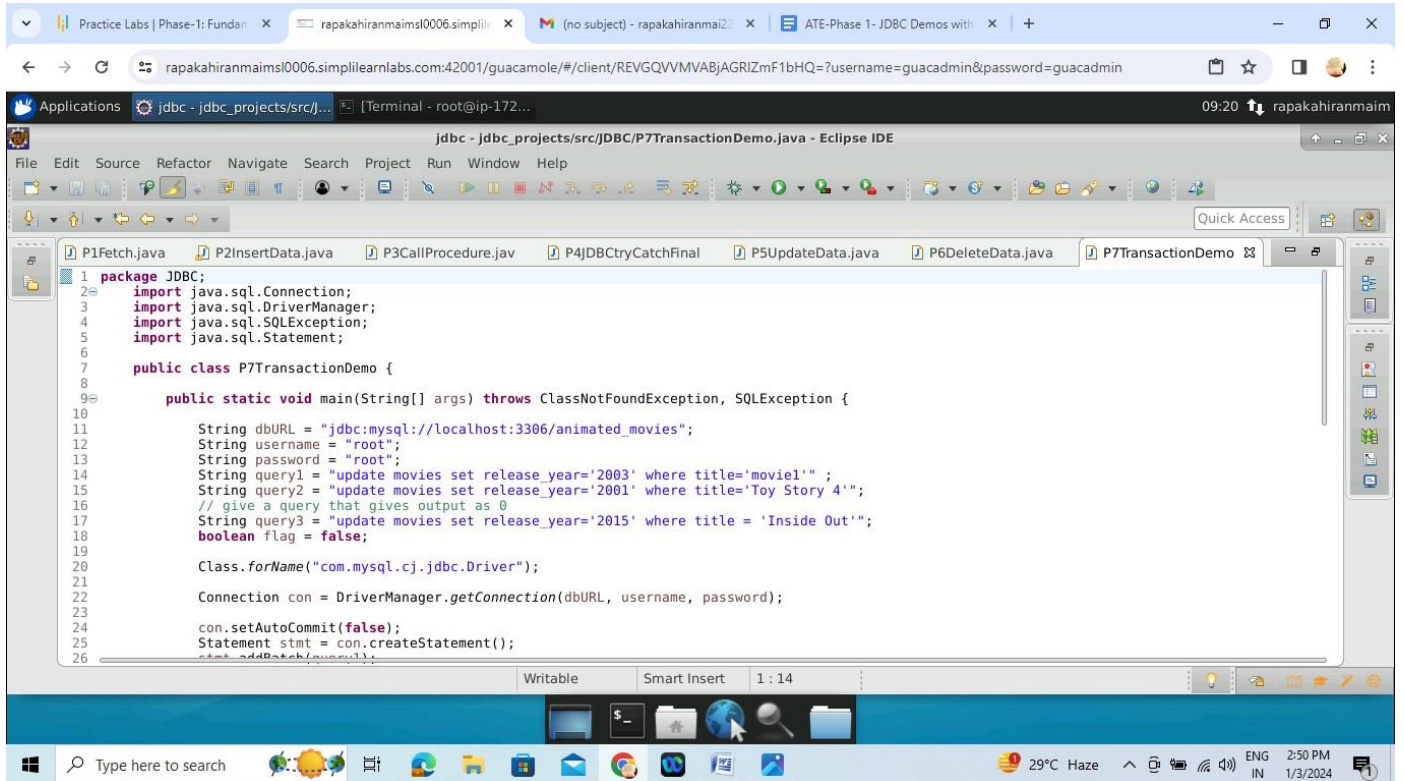
ASSISTED PROJECT – 5

RECORD HANDLING



ASSISTED PROJECT – 6

Transaction management



The screenshot shows the Eclipse IDE with the following details:

- Browser Tabs:** Practice Labs | Phase-1: Fundam..., rapakahiranmains10006.simplilearnlabs.com, (no subject) - rapakahiranmai2..., ATE-Phase 1- JDBC Demos with...
- Address Bar:** rapakahiranmains10006.simplilearnlabs.com:42001/guacamole/#/client/REVGQVVMVABjAGRIZmF1bHQ=?username=guacadmin&password=guacadmin
- Terminal:** [Terminal - root@ip-172...]
- Eclipse IDE Title Bar:** jdbc - jdbc_projects/src/JDBC/P7TransactionDemo.java - Eclipse IDE
- Menu Bar:** File, Edit, Source, Refactor, Navigate, Search, Project, Run, Window, Help
- Toolbar:** Standard Eclipse IDE toolbar with icons for file operations, editing, and running.
- Project Explorer:** Shows a package named 'JDBC' containing several Java files: P1Fetch.java, P2InsertData.java, P3CallProcedure.jav, P4JDBCtryCatchFinal, P5UpdateData.java, P6DeleteData.java, and P7TransactionDemo.java.
- Editor:** Displays the code for P7TransactionDemo.java.

```
1 package JDBC;
2 import java.sql.Connection;
3 import java.sql.DriverManager;
4 import java.sql.SQLException;
5 import java.sql.Statement;
6
7 public class P7TransactionDemo {
8
9     public static void main(String[] args) throws ClassNotFoundException, SQLException {
10
11         String dbURL = "jdbc:mysql://localhost:3306/animated_movies";
12         String username = "root";
13         String password = "root";
14         String query1 = "update movies set release_year='2003' where title='movie1' ";
15         String query2 = "update movies set release_year='2001' where title='Toy Story 4' ";
16         // give a query that gives output as 0
17         String query3 = "update movies set release_year='2015' where title = 'Inside Out' ";
18         boolean flag = false;
19
20         Class.forName("com.mysql.cj.jdbc.Driver");
21
22         Connection con = DriverManager.getConnection(dbURL, username, password);
23
24         con.setAutoCommit(false);
25         Statement stmt = con.createStatement();
26         stmt.executeUpdate(query1);
```
- Status Bar:** Writable, Smart Insert, 1 : 14
- Windows Taskbar:** Includes search bar, application icons, system tray with temperature (29°C Haze), language (ENG IN), and time (2:50 PM 1/3/2024).