LAB8

Question:

- Implement JDBC Concept in your domain.
- Minimum two tables based on your domain you need to create it.
- Minimum 10 records add it in your table.

CRUD Operation performs in your domain based example.

Code:

```
import java.sql.*;
public class App {
    public static void main(String[] args) {
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            String url = "jdbc:mysql://localhost:3306/bookstore";
            String username = "root";
            String password = "";
            Connection con = DriverManager.getConnection(url,
username, password);
            String query = "CREATE TABLE books (id INT AUTO INCREMENT
PRIMARY KEY, title VARCHAR(255), author VARCHAR(255), price INT)";
            Statement stmt = con.createStatement();
            stmt.executeUpdate(query);
            query = "CREATE TABLE customers (id INT AUTO INCREMENT
PRIMARY KEY, name VARCHAR(255), address VARCHAR(255), bill INT)";
            stmt.executeUpdate(query);
```

```
query = "INSERT INTO books (title, author, price) VALUES
('The Alchemist', 'Paulo Coelho', 170)";
            stmt.executeUpdate(query);
            query = "INSERT INTO books (title, author, price) VALUES
('The Da Vinci Code', 'Dan Brown', 120)";
            stmt.executeUpdate(query);
            query = "INSERT INTO books (title, author, price) VALUES
(' Catcher ', 'J.D', 67)";
            stmt.executeUpdate(query);
            query = "INSERT INTO books (title, author, price) VALUES
('T', 'J.D. Salinger', 900)";
            stmt.executeUpdate(query);
            query = "INSERT INTO books (title, author, price) VALUES
('One Hundred', 'Gabriel Garcia Marquez', 305)";
            stmt.executeUpdate(query);
            query = "INSERT INTO books (title, author, price) VALUES
('The Hobbit', 'J.R.R. Tolkien', 220)";
            stmt.executeUpdate(query);
            query = "INSERT INTO books (title, author, price) VALUES
('Lord of the Rings', 'J.R.R. Tolkien', 459)";
            stmt.executeUpdate(query);
            query = "INSERT INTO books (title, author, price) VALUES
('The Odyssey', 'Homer', 145)";
            stmt.executeUpdate(query);
            query = "INSERT INTO books (title, author, price) VALUES
('Harry Potter', 'J.K. Rowling', 875)";
            stmt.executeUpdate(query);
            query = "INSERT INTO books (title, author, price) VALUES
('Catcher in the Rye', 'J.D. Salinger', 900)";
            stmt.executeUpdate(query);
            query = "INSERT INTO customers (name, address, bill)
VALUES ('Ravi', 'Patna', 100)";
            stmt.executeUpdate(query);
            query = "INSERT INTO customers (name, address, bill)
VALUES ('Vansh', 'GAya', 2650)";
            stmt.executeUpdate(query);
```

```
query = "INSERT INTO customers (name, address, bill)
VALUES ('Amit', 'Lalitpur', 345)";
            stmt.executeUpdate(query);
            query = "UPDATE books SET price = 110 WHERE title = 'The
Alchemist'";
            stmt.executeUpdate(query);
            query = "DELETE FROM books WHERE title = 'T'";
            stmt.executeUpdate(query);
            query = "SELECT * FROM books";
            ResultSet rs = stmt.executeQuery(query);
            while (rs.next()) {
                System.out.println(rs.getInt("id") + " " +
rs.getString("title") + " " + rs.getString("author") + " "
                       + rs.getFloat("price"));
            con.close();
        } catch (Exception e) {
            System.out.println(e);
```

Screenshot:

```
PS D:\Christ MCA\Sem - 2\Java\Lab\Lab8> & 'C:\
pp'

1 The Alchemist Paulo Coelho 110.0

2 The Da Vinci Code Dan Brown 120.0

3 Catcher J.D 67.0

5 One Hundred Gabriel Garcia Marquez 305.0

6 The Hobbit J.R.R. Tolkien 220.0

7 Lord of the Rings J.R.R. Tolkien 459.0

8 The Odyssey Homer 145.0

9 Harry Potter J.K. Rowling 875.0

10 Catcher in the Rye J.D. Salinger 900.0

PS D:\Christ MCA\Sem - 2\Java\Lab\Lab8>
```

DB Tables



Books Table

 $\leftarrow T \rightarrow$ id title author price Paulo Coelho 110 ☐ Ø Edit № Copy ☐ Delete 2 The Da Vinci Code Dan Brown 120 J.D 67 Gabriel Garcia Marquez 305 J.R.R. Tolkien 220 □ Ø Edit ♣ Copy ⊜ Delete 7 Lord of the Rings J.R.R. Tolkien 459 Homer 145 J.K. Rowling 875 900

Customer Table

