Develop a java stand alone application that connects with the database (Oracle / mySql) and perform the CRUD operation on the database tables.

Create data base

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import java.sql.Statement;
public class Create_DB {
    public static void main(String[] args) {
        // JDBC URL, username, and password of MySQL server
        String url = "jdbc:mysql://localhost:3345/";
        String user = "root";
        String password = "root"; // replace 'your_password' with your MySQL password
        // SQL query to create a database
        String sql = "CREATE DATABASE balu";
        try (Connection conn = DriverManager.getConnection(url, user, password);
             Statement stmt = conn.createStatement()) {
            // Execute the SQL query
            stmt.executeUpdate(sql);
            System.out.println("Database created successfully.");
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }
}
```

Output:

Database created successfully

CreateTable

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import java.sql.Statement;

public class CreateTable {
    public static void main(String[] args) {
        // JDBC URL, username, and password of MySQL server
        String url = "jdbc:mysql://localhost:3307/balu"; // replace 'mydatabase' with your database
name
        String user = "root";
        String password = "root"; // replace 'your_password' with your MySQL password

        // SQL query to create a table
        String sql = "CREATE TABLE users (" +
                     "id INT AUTO_INCREMENT PRIMARY KEY," +
                     "name VARCHAR(255) NOT NULL," +
                     "email VARCHAR(255) NOT NULL" +
                     ")";

        try (Connection conn = DriverManager.getConnection(url, user, password);
             Statement stmt = conn.createStatement()) {
            // Execute the SQL query
            stmt.executeUpdate(sql);
            System.out.println("Table created successfully.");
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }
}
```

Output:

Table Created successfully

InsertData

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;

public class InsertData {
    public static void main(String[] args) {
        // JDBC URL, username, and password of MySQL server
        String url = "jdbc:mysql://localhost:3307/balu"; // replace 'mydatabase' with your database
name
        String user = "root";
        String password = "root"; // replace 'your_password' with your MySQL password

        // SQL query to insert data into the table
        String sql = "INSERT INTO users (name, email) VALUES (?, ?)";

        try (Connection conn = DriverManager.getConnection(url, user, password);
             PreparedStatement pstmt = conn.prepareStatement(sql)) {
            // Set the parameters
            pstmt.setString(1, "ram");
            pstmt.setString(2, "ram7@gmail.com");

            // Execute the SQL query
            int rowsAffected = pstmt.executeUpdate();
            System.out.println(rowsAffected + " row(s) inserted.");
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }
}
```

Output:

```
1 row inserted
```

Updatedata

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;

public class UpdateData {
    public static void main(String[] args) {
        // JDBC URL, username, and password of MySQL server
        String url = "jdbc:mysql://localhost:3307/mydatabase"; // replace 'mydatabase' with your
database name
        String user = "root";
        String password = "root"; // replace 'your_password' with your MySQL password

        // SQL query to update data in the table
        String sql = "UPDATE users SET email = ? WHERE name = ?";

        try (Connection conn = DriverManager.getConnection(url, user, password);
             PreparedStatement pstmt = conn.prepareStatement(sql)) {
            // Set the parameters
            pstmt.setString(1, "ram7@gmail.com");
            pstmt.setString(2, "balu");

            // Execute the SQL query
            int rowsAffected = pstmt.executeUpdate();
            System.out.println(rowsAffected + " row(s) updated.");
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }
}
```

Output:

```
1 row’s updated
```

DeleteData

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;

public class DeleteData {
    public static void main(String[] args) {
        // JDBC URL, username, and password of MySQL server
        String url = "jdbc:mysql://localhost:3307/balu"; // replace 'mydatabase' with your database
name
        String user = "root";
        String password = "root"; // replace 'your_password' with your MySQL password

        // SQL query to delete data from the table
        String sql = "DELETE FROM users WHERE name = ?";

        try (Connection conn = DriverManager.getConnection(url, user, password);
             PreparedStatement pstmt = conn.prepareStatement(sql)) {
            // Set the parameter
            pstmt.setString(1, "ram");

            // Execute the SQL query
            int rowsAffected = pstmt.executeUpdate();
            System.out.println(rowsAffected + " row(s) deleted.");
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }
}
```

Output:

1 row’s deleted

DropDB

```
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;
import java.sql.Statement;

public class DropDatabase {
    public static void main(String[] args) {
        // JDBC URL, username, and password of MySQL server
        String url = "jdbc:mysql://localhost:3307/";
        String user = "root";
        String password = "root"; // replace 'your_password' with your MySQL password

        // Database name to be dropped
        String databaseName = "balu";

        // SQL query to drop the database
        String sql = "DROP DATABASE " + databaseName;

        try (Connection conn = DriverManager.getConnection(url, user, password);
             Statement stmt = conn.createStatement()) {
            // Execute the SQL query
            stmt.executeUpdate(sql);
            System.out.println("Database dropped successfully.");
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }
}
```

Output:

Database dropped successfully