Exp-8

Code :

package exp;

import java.sql.\*;

public class Jdbc {

public static void main(String[] args) {

// Database credentials

String url = "jdbc:mysql://localhost:3306/class"; // Change "testdb" to your DB name

String user = "root"; // Change as per your MySQL credentials

String password = "Aniruddh@123"; // Replace with your actual password

// SQL queries

String createTableSQL = "CREATE TABLE IF NOT EXISTS users (id INT AUTO\_INCREMENT PRIMARY KEY, name VARCHAR(100), email VARCHAR(100))";

String insertSQL = "INSERT INTO users (name, email) VALUES ('Alice', 'alice@example.com')";

String selectSQL = "SELECT \* FROM users";

try {

// Step 1: Establish a connection

Connection con = DriverManager.*getConnection*(url, user, password);

System.***out***.println("Connected to the database!");

// Step 2: Create a statement

Statement stmt = con.createStatement();

// Step 3: Execute SQL queries

stmt.executeUpdate(createTableSQL);

stmt.executeUpdate(insertSQL);

System.***out***.println("User inserted successfully!");

// Step 4: Retrieve and display data

ResultSet rs = stmt.executeQuery(selectSQL);

while (rs.next()) {

System.***out***.println("ID: " + rs.getInt("id") + ", Name: " + rs.getString("name") + ", Email: " + rs.getString("email"));

}

// Step 5: Close resources

rs.close();

stmt.close();

con.close();

} catch (SQLException e) {

e.printStackTrace();

}

}

}

OUTPUT:

