Brindha.S

Create a employee table using JDBC and insert data into it, then update the data and then delete the data.

```
import java.sql.*;

public class EmployeeManagement {

static final String JDBC_URL = "jdbc:mysql://localhost:3306/your_database_name";

static final String USERNAME = "Brindha";

static final String PASSWORD = "B703";

public static void main(String[] args) {

try (Connection connection = DriverManager.getConnection(JDBC_URL, USERNAME,
PASSWORD)) {

insertEmployee(connection, 1, "pavi", "pavi@gmail.com", 50000);
updateEmployee(connection, 1, 60000);                deleteEmployee(connection, 1);

    } catch (SQLException e) {       e.printStackTrace();

     }

}

 private static void createEmployeeTable(Connection connection) throws SQLException {

   String sql = "CREATE TABLE IF NOT EXISTS Employee (" +

 "id INT PRIMARY KEY," +

"name VARCHAR(255)," +

"email VARCHAR(255)," +

"salary DOUBLE" +                ")";

 try (Statement statement = connection.createStatement()) {
statement.executeUpdate(sql);

}

   }
```

```
private static void insertEmployee(Connection connection, int id,
String name, String email, double salary) throws SQLException {
String sql = "INSERT INTO Employee (id, name, email, salary) VALUES (?, ?, ?, ?)";
try (PreparedStatement preparedStatement = connection.prepareStatement(sql)) {
preparedStatement.setInt(1, id);
preparedStatement.setString(2, name);
preparedStatement.setString(3, email);
preparedStatement.setDouble(4, salary);
preparedStatement.executeUpdate();
}
}
private static void updateEmployee(Connection connection, int id, double newSalary)
throws SQLException {
String sql = "UPDATE Employee SET salary = ? WHERE id = ?";
 try (PreparedStatement preparedStatement = connection.prepareStatement(sql)) {
preparedStatement.setDouble(1, newSalary);
preparedStatement.setInt(2, id);
preparedStatement.executeUpdate();
  }
   }
private static void deleteEmployee(Connection connection, int id) throws SQLException {
String sql = "DELETE FROM Employee WHERE id = ?";
try (PreparedStatement preparedStatement = connection.prepareStatement(sql)) {
preparedStatement.setInt(1, id);
preparedStatement.executeUpdate();
    }
  }
```

```
}
2. CREATE TABLE Students (
   id INT AUTO_INCREMENT PRIMARY KEY,
name VARCHAR(50),
  age INT,
 grade VARCHAR(10));
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;
public class Main {
   public static void main(String[] args) {       String
url="jdbc:mysql://localhost:3306/your_database_name";
String user = "your_username";
String password = "your_password";
     try (Connection connection = DriverManager.getConnection(url, user, password)) {
String query = "INSERT INTO Students (name, age, grade) VALUES (?, ?, ?)";
PreparedStatement preparedStatement = connection.prepareStatement(query);
preparedStatement.setString(1, "Brindha");
preparedStatement.setInt(2, 20);
preparedStatement.setString(3, "A");
int rowsAffected =
preparedStatement.executeUpdate();
 if (rowsAffected > 0) {            System.out.println("Insert successful!");          } else {
System.out.println("Insert failed!");
 }
```

```
 } catch (SQLException e) {          e.printStackTrace();
}
  }
}
String sql = "UPDATE your_table SET column1 = ?, column2 = ? WHERE condition";
PreparedStatement statement = connection.prepareStatement(sql);
statement.setString(1,newValue1);
statement.setString(2, newValue2);
int rowsAffected = statement.executeUpdate();
String sql = "DELETE FROM your_table WHERE condition";
PreparedStatement statement = connection.prepareStatement(sql);
int rowsAffected = statement.executeUpdate();
}
}
```