**OPENING DATABASE CONNECTION**

1. In the **dbutil** package create a class called **DBConnection**

2. Since driver loading and opening of connection has to be only once so we should write this code inside the static block of **DBConnection** class.

3. There should be 2 methods in this class called **getConnection( )** and **closeConnection( )** which return the **Connection** object and close the **Connection** respectively.

***package onlineexam.dbutil;***

***import java.sql.Connection;***

***import java.sql.DriverManager;***

***import java.sql.SQLException;***

***import javax.swing.JOptionPane;***

***public class DBConnection {***

***private static Connection conn;***

***static{***

***try***

***{***

***Class.forName("oracle.jdbc.OracleDriver");***

***conn=DriverManager.getConnection("jdbc:oracle:thin:@//Smartclass:1521/xe","onlineexam","student");***

***JOptionPane.showMessageDialog(null, "Connected Successfully To The Database","Success!",JOptionPane.INFORMATION\_MESSAGE);***

***}***

***catch(Exception ex){***

***JOptionPane.showMessageDialog(null, "Error Connecting To The Database:"+ex,"Error!",JOptionPane.ERROR\_MESSAGE);***

***ex.printStackTrace();***

***}***

***}***

***public static Connection getConnection(){***

***return conn;***

***}***

***public static void closeConnection(){***

***if(conn!=null){***

***try***

***{***

***conn.close();***

***JOptionPane.showMessageDialog(null, "DiscConnected Successfully From The Database","Success!",JOptionPane.INFORMATION\_MESSAGE);***

***}***

***catch(SQLException ex){***

***JOptionPane.showMessageDialog(null, "Error Disconnecting From The Database:"+ex,"Error!",JOptionPane.ERROR\_MESSAGE);***

***ex.printStackTrace();***

***}***

***}***

***}***

***}***