**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.

***public class DBConnection {***

***private static Connection conn;***

***static***

***{***

***try***

***{***

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

***conn=DriverManager.getConnection("jdbc:oracle:thin:@//SachinKapoor:1521/orcl","myproject","java");***

***JOptionPane.showMessageDialog(null, "Connection opened successfully!","Success",JOptionPane.INFORMATION\_MESSAGE);***

***}***

***catch(ClassNotFoundException ex)***

***{***

***JOptionPane.showMessageDialog(null,"Error in loading the driver","Driver Error!",JOptionPane.ERROR\_MESSAGE);***

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

***System.exit(1);***

***}***

***catch(SQLException ex)***

***{***

***JOptionPane.showMessageDialog(null,"Error in opening connection","DB Error!",JOptionPane.ERROR\_MESSAGE);***

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

***System.exit(1);***

***}***

***}***

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

***{***

***return conn;***

***}***

***}***

Similarly design a method called **closeConnection( )** which closes the database connection

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

***{***

***try***

***{***

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

***JOptionPane.showMessageDialog(null, "Connection closed successfully!","Success",JOptionPane.INFORMATION\_MESSAGE);***

***}***

***catch(SQLException ex)***

***{***

***JOptionPane.showMessageDialog(null,"Error in closing connection","DB Error!",JOptionPane.ERROR\_MESSAGE);***

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

***}***

***}***