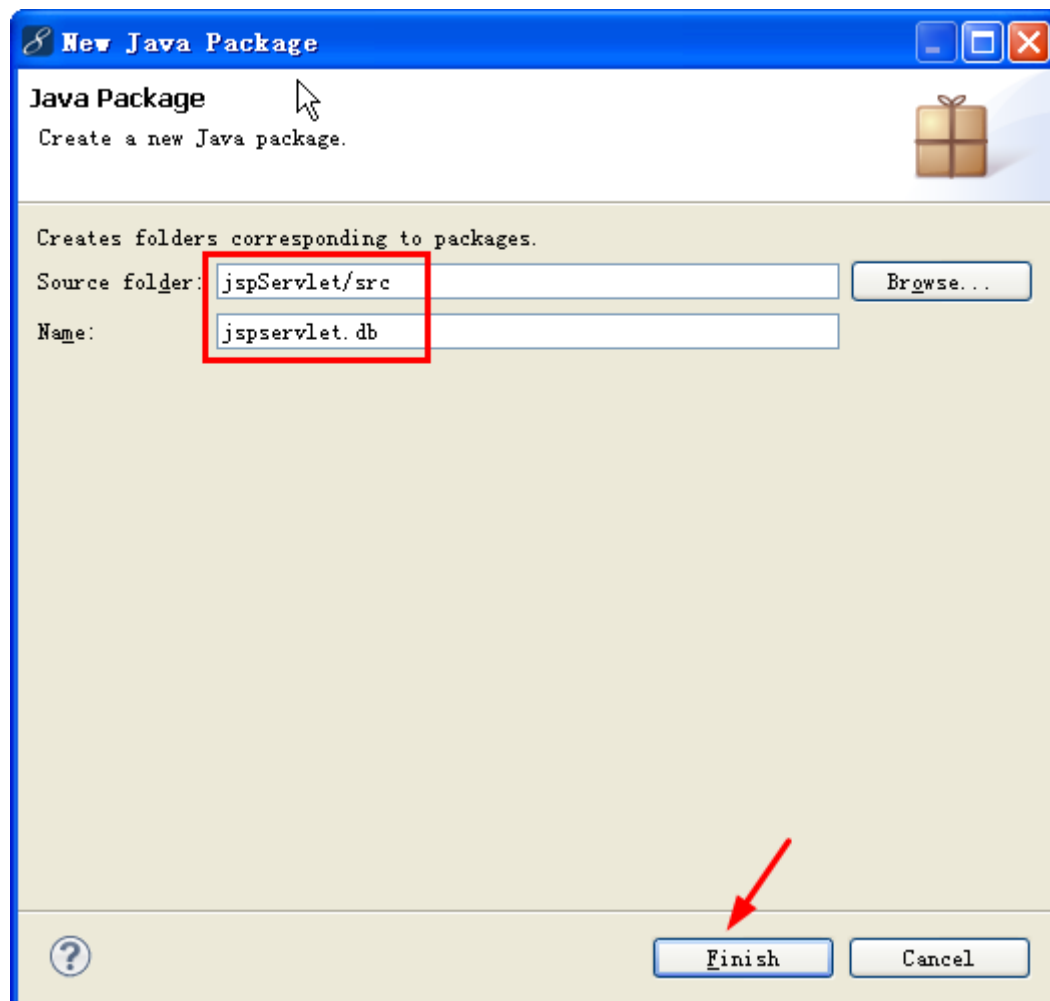


## 构建一个简单 web 工程——连接数据库

We will update the first web project and make it communicate with database. A user log on with username and password, the system will welcome the user if input name is the same as information stored in the database; otherwise the system will return an error page.

1. Create database and table. Before continue the second project, you must create a database named **JavaWebDB**, which included a table named **userinfo** with two columns **username** and **password**.
2. Add a new record to your table userinfo. The username is 'tom' and the password is '123'.
3. We need a new package for database operation class.

Right click 'jspServlet' -> new -> package



***jspServlet.db***

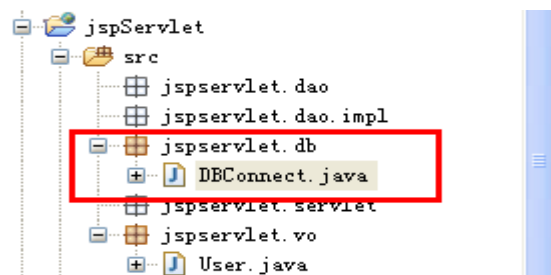
This package will include operation connected to database.

4. Add a jar, mysql-connector-java-5.0.0-beta-bin.jar, to the 'jspServlet' project.

You can find these jars in the project I have finished. Copy these jars to the folder '**workspace\jspServlet\WebRoot\WEB-INF\lib**'. Go back to the **MyEclipse** window, in the **package explorer**, right click **jspServlet**, and **refresh** the project.

5. We need a new class to connect to database.

Create a new class **DBConnect**. You can find this class in the project I have finished. Copy this file to the folder '**workspace\jspServlet\src\jspServlet\db**'. Go back to the **MyEclipse** window, in the **package explorer**, right click **jspServlet**, and **refresh** the project.



```
package jspServlet.db;

import java.sql.Connection;
import java.sql.DriverManager;

public class DBConnect {
    private final String DBDRIVER = "com.mysql.jdbc.Driver" ;
    private final String DBURL = "jdbc:mysql://127.0.0.1:3306/JavaWebDB" ;
    private final String DBUSER = "root" ;
    private final String DBPASSWORD = "5129722" ;
    private Connection conn = null ;

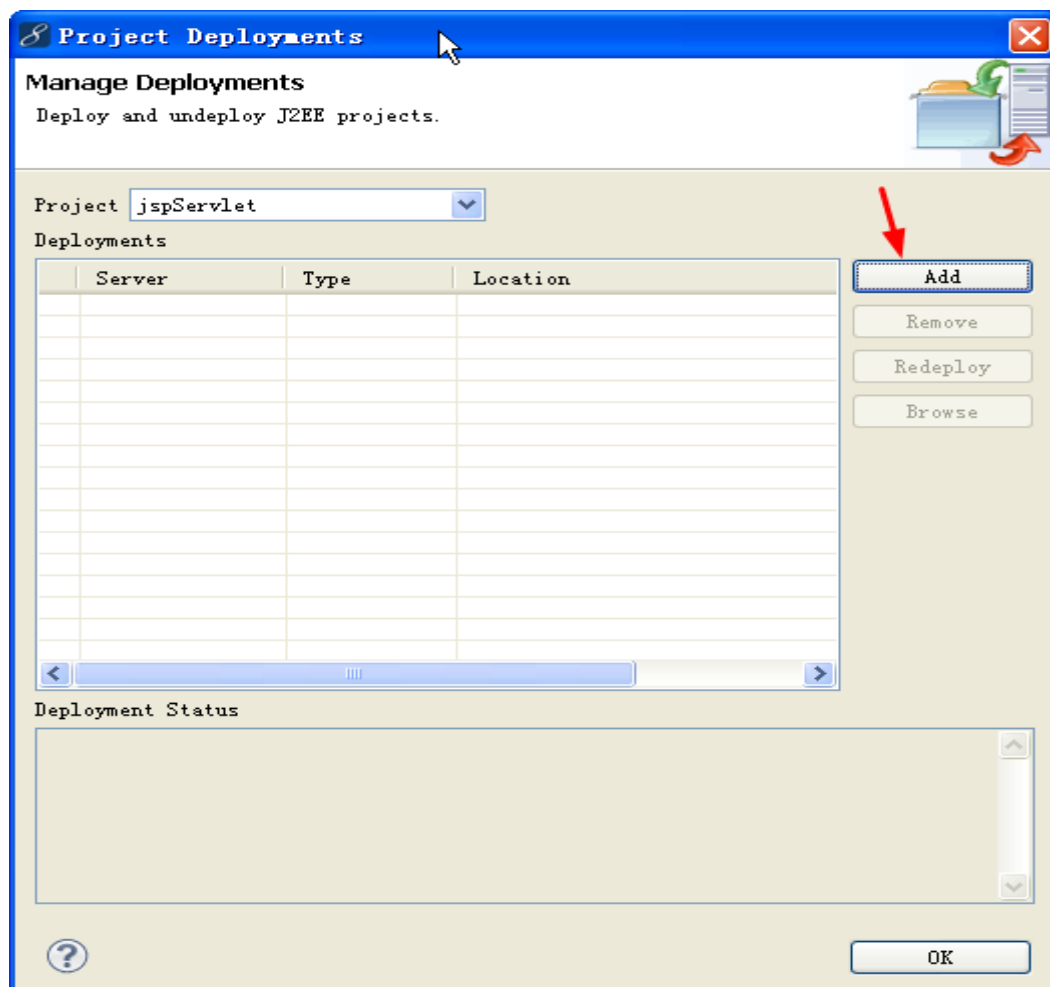
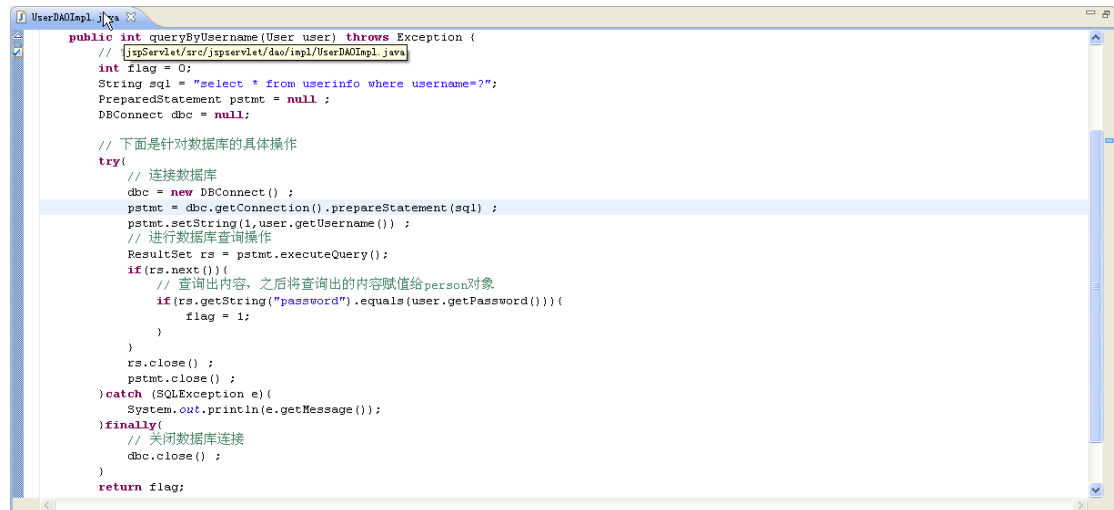
    public DBConnect() {
        try{
            Class.forName(DBDRIVER) ;
            this.conn = DriverManager.getConnection(DBURL,DBUSER,DBPASSWORD) ;
        }catch (Exception e){
            System.out.println(e.getMessage());
        }
    }

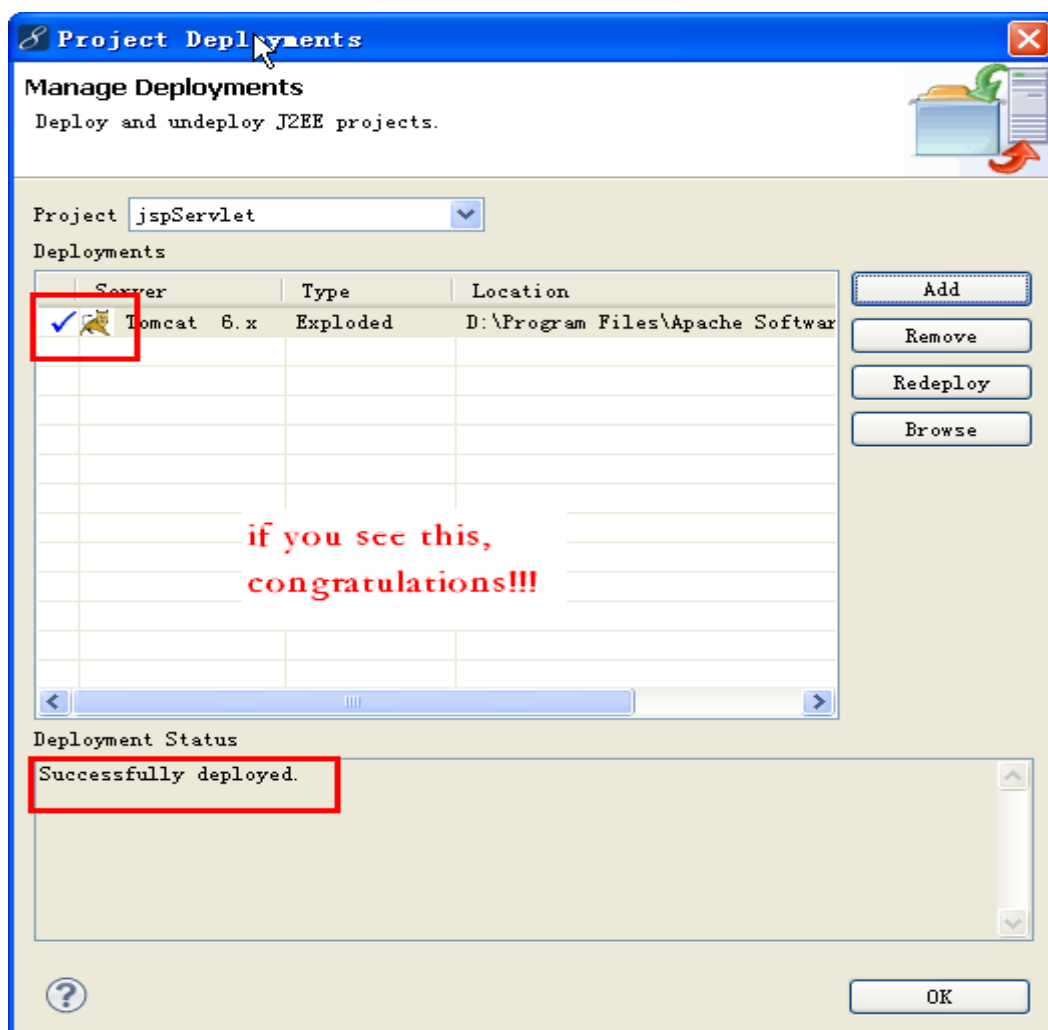
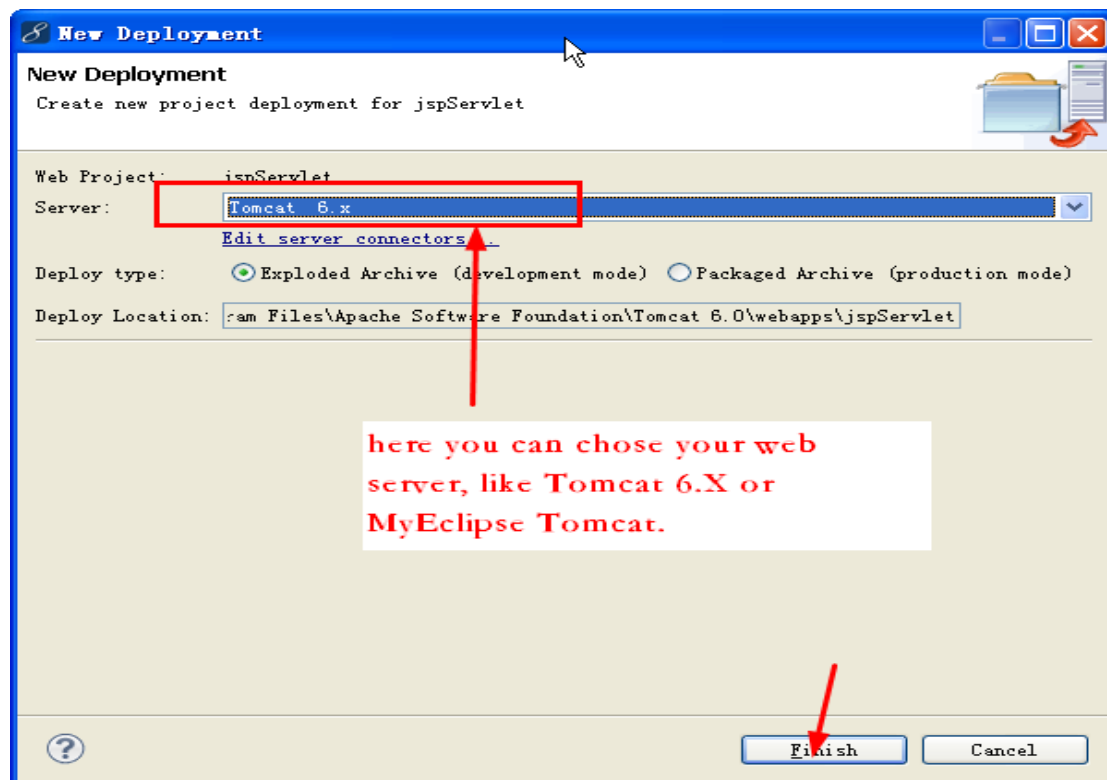
    // 取得数据库连接
    public Connection getConnection(){
        return this.conn ;
    }

    // 关闭数据库连接
    public void close(){
        try{
            this.conn.close() ;
        }catch (Exception e){ }
    }
}
```

Pay attention:

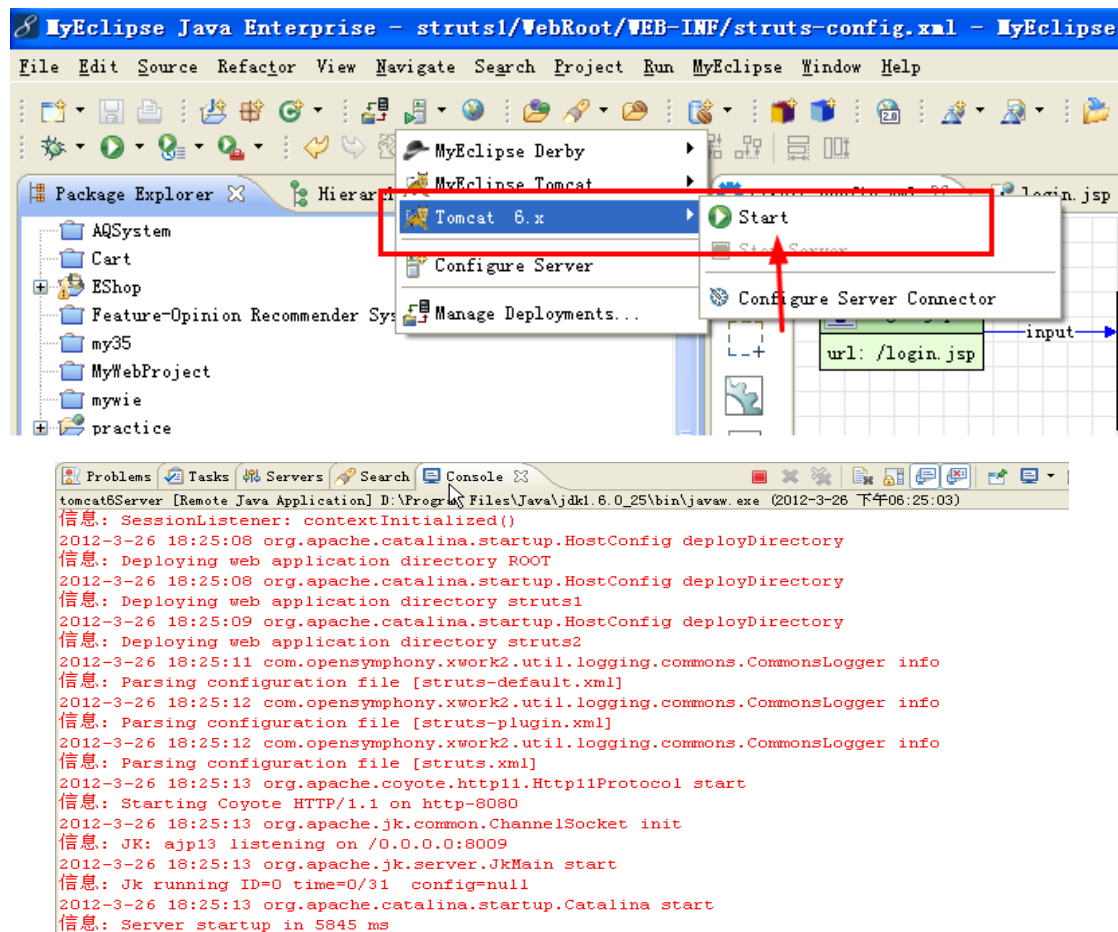
DBPASSWORD is the password of your MySQL.





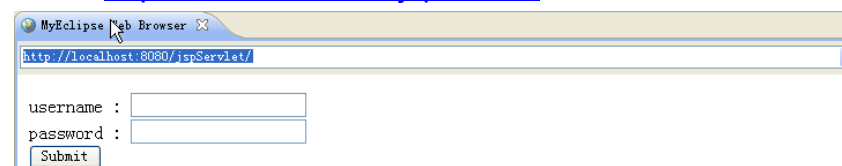
Now you have successfully deployed your project.

## 8. Start tomcat server.

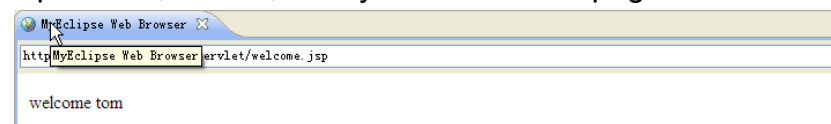


## 9. Window->show view->web browser

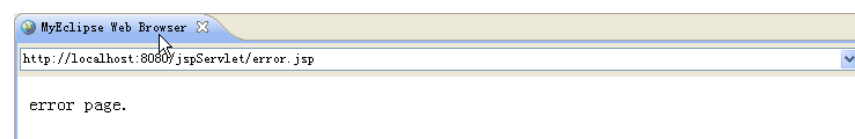
Enter: <http://localhost:8080/jspServlet>



Input 'tom', submit, then you will see this page.



Input other names or let it empty, then you will see this page.



Congratulations! You have completed a simple web application. Next time we will add framework to the project.