**LAB No: 09**

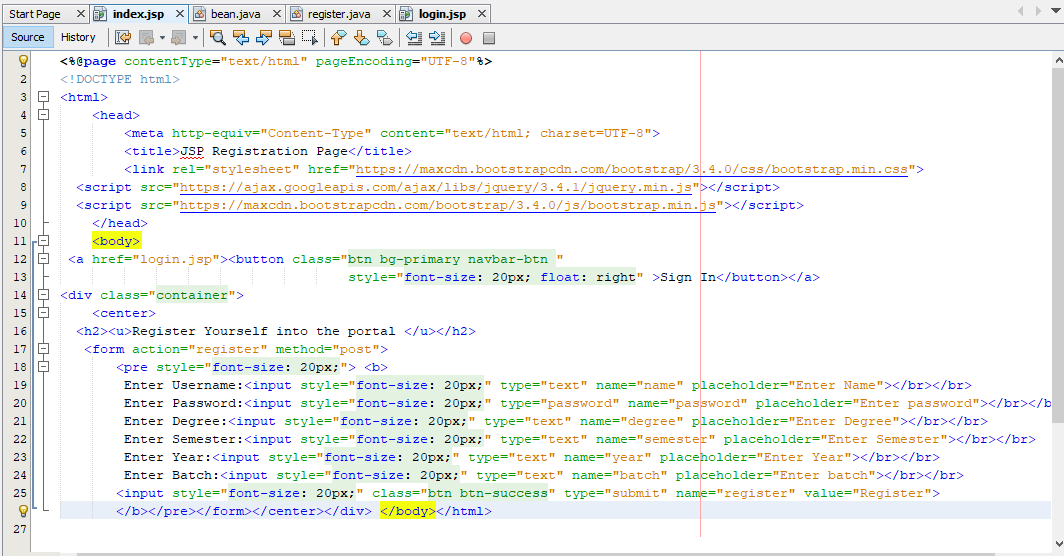
**OBJECTIVE: To work with MVC Architechure for enterprise level applications.**

**1:Create a simple Login and Registration Page in which user in can register and login via database.**

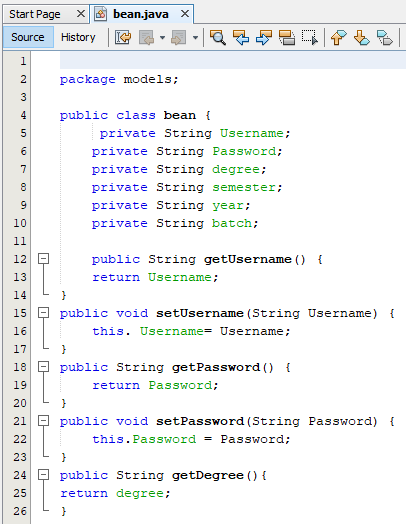
**View (Login.jsp):**

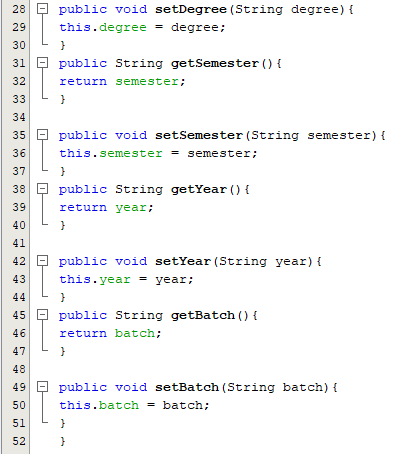


**View (Index.jsp):**

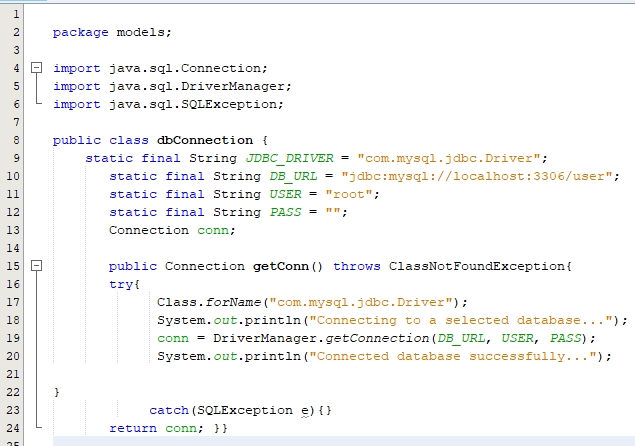


**Model (bean.java):**

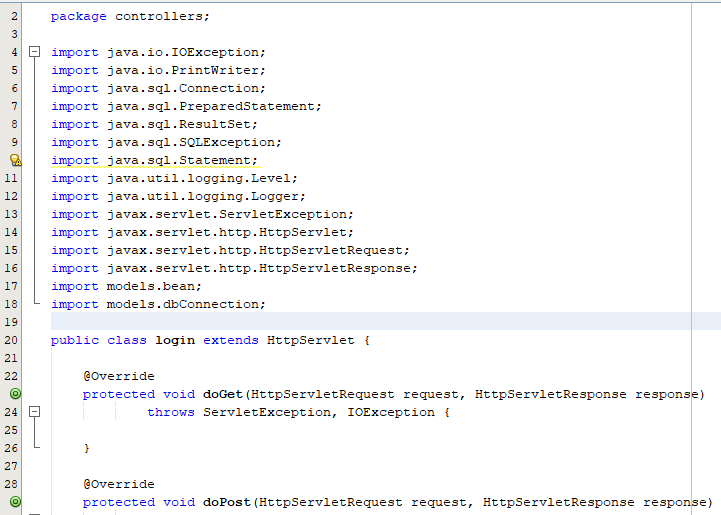


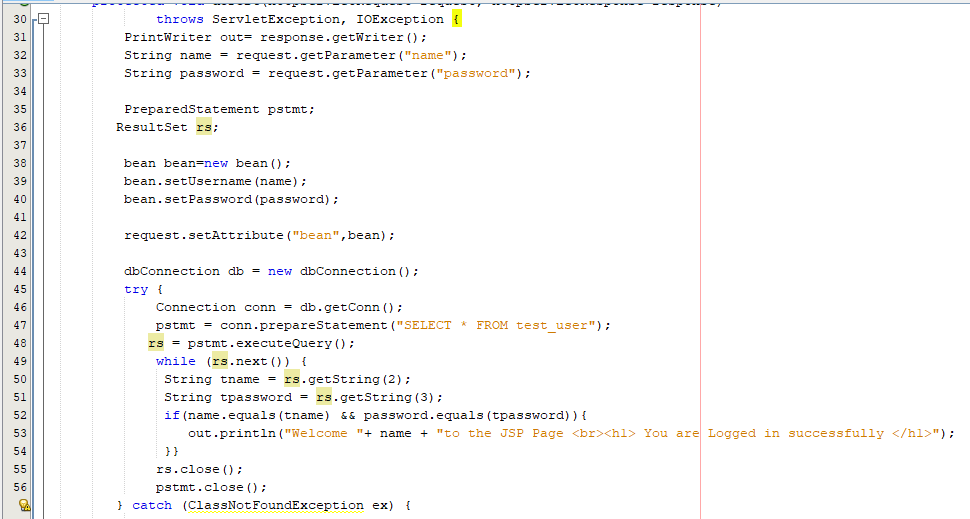


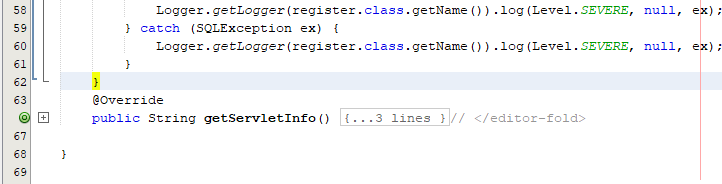
**Model (dbConnection.java):**



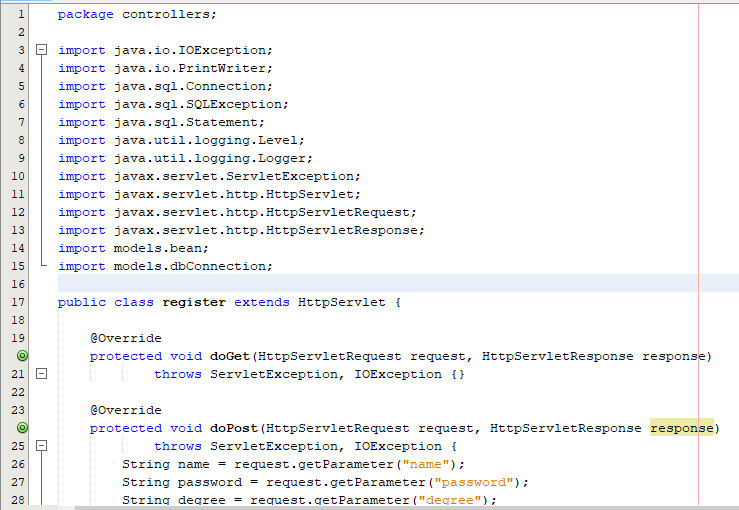
**Controller (login.java):**



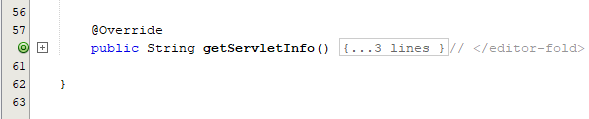




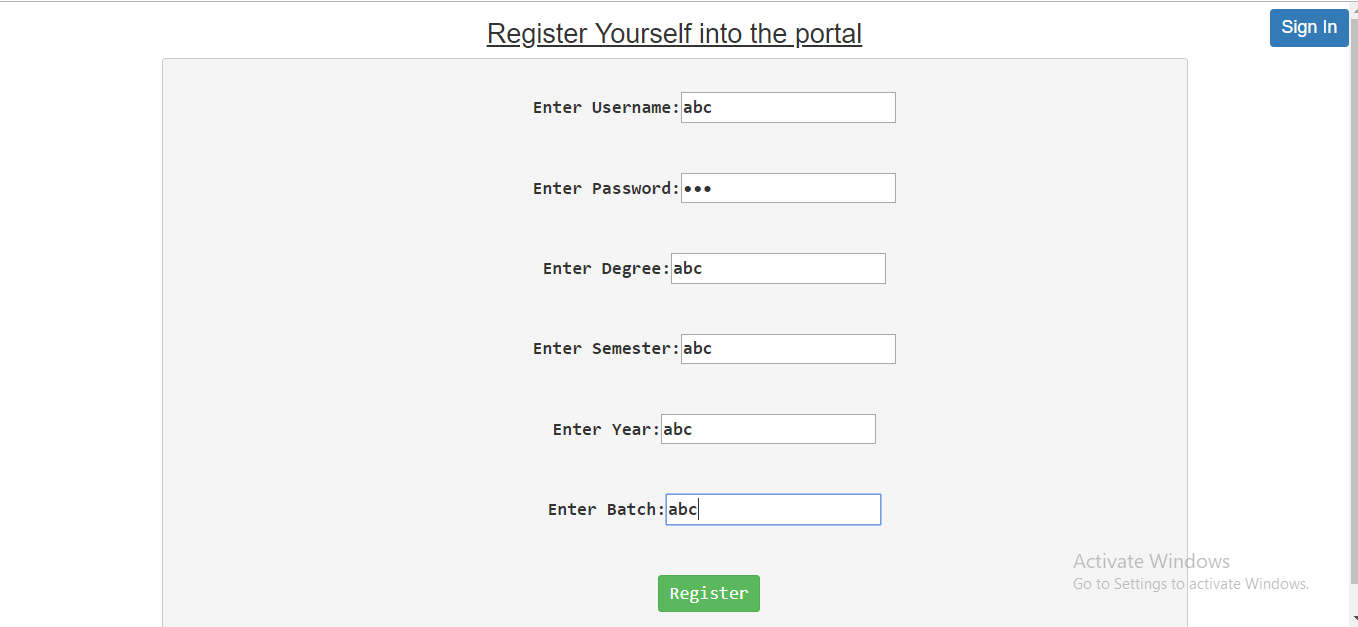
**Controller (register.java):**







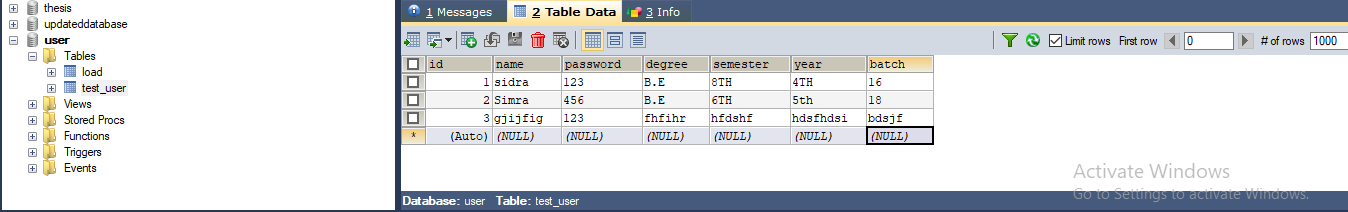
**Output:**



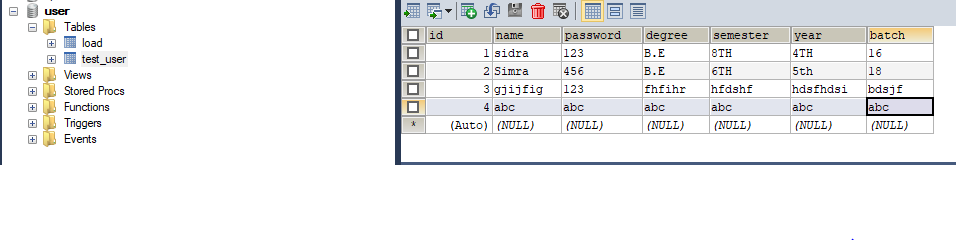
**Output Response:**



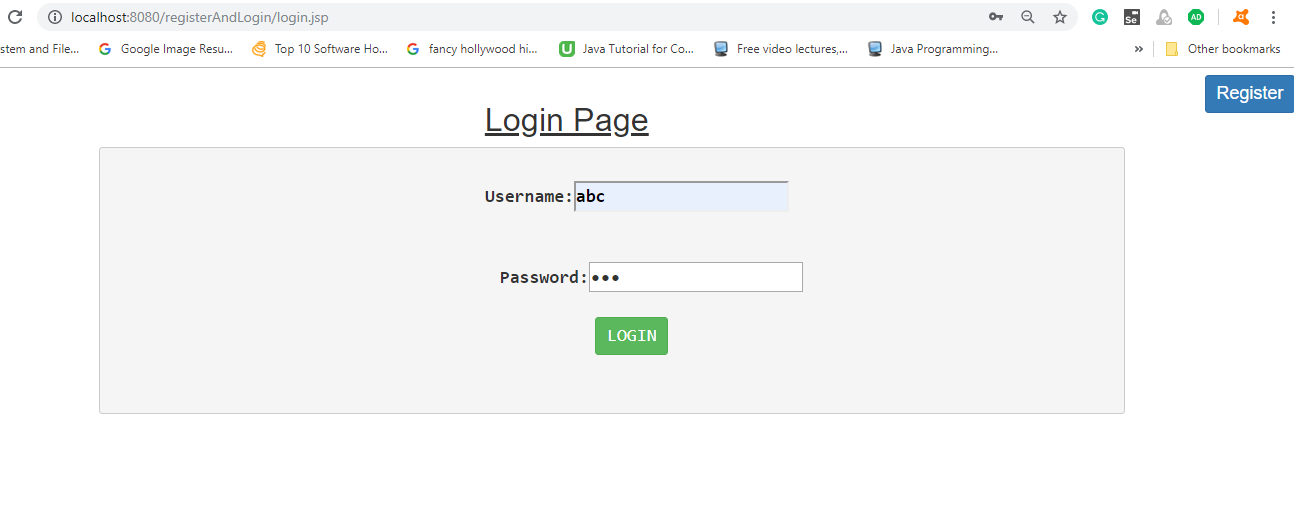
**Before Registration:**



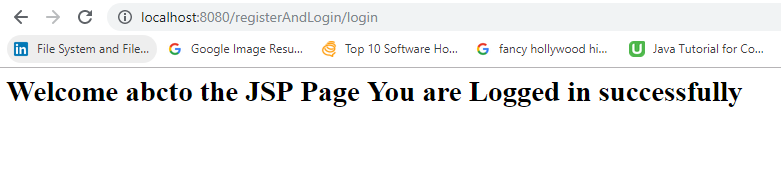
**After Registration:**



**Login OutPut:**

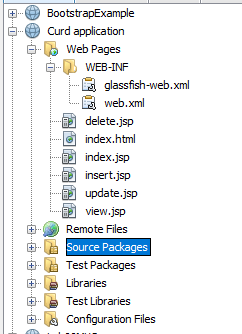
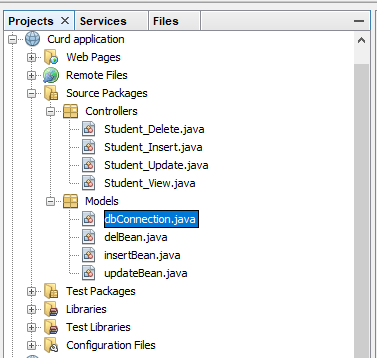


**OutPut Response:**

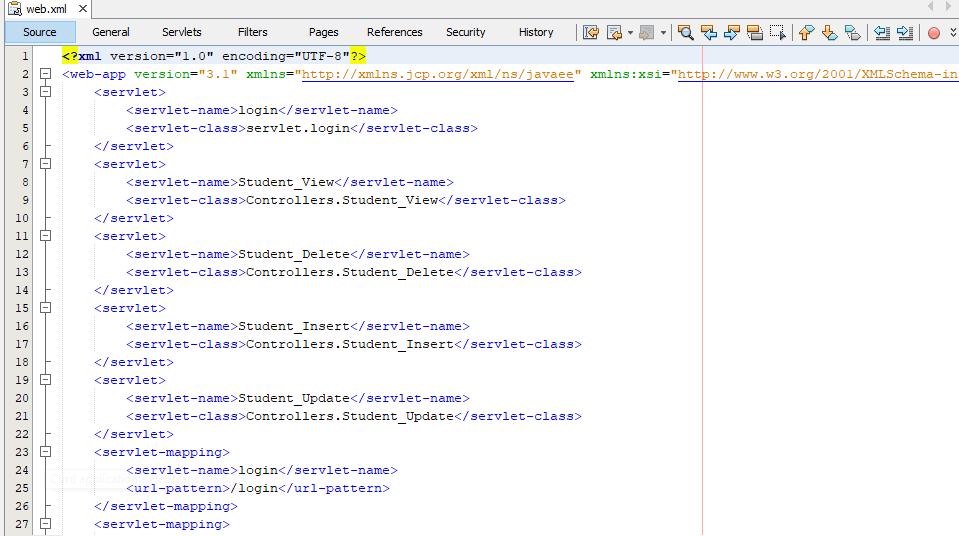


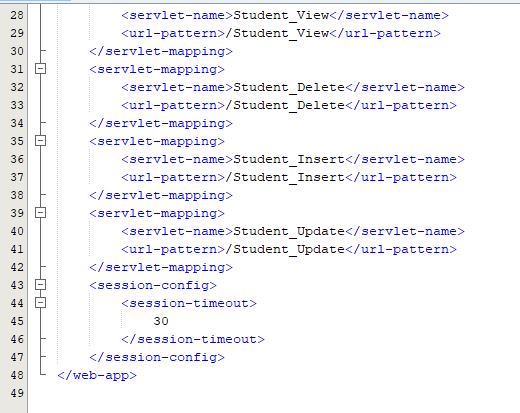
**2: Create a simple CRUD (Create Read Update Delete) Application.**

**MVC Architechure:**

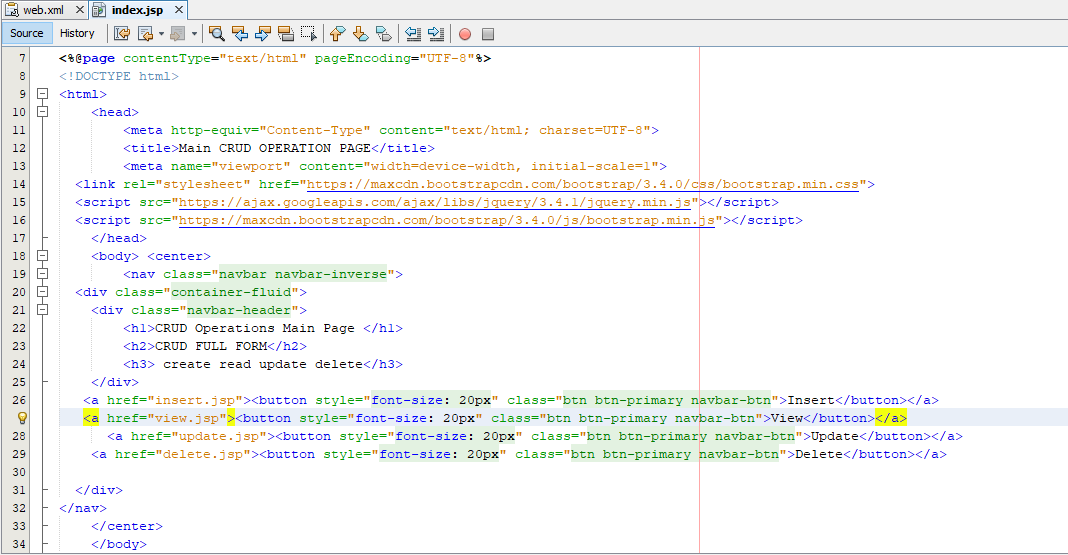


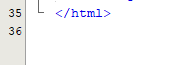
**WEB.XML:**





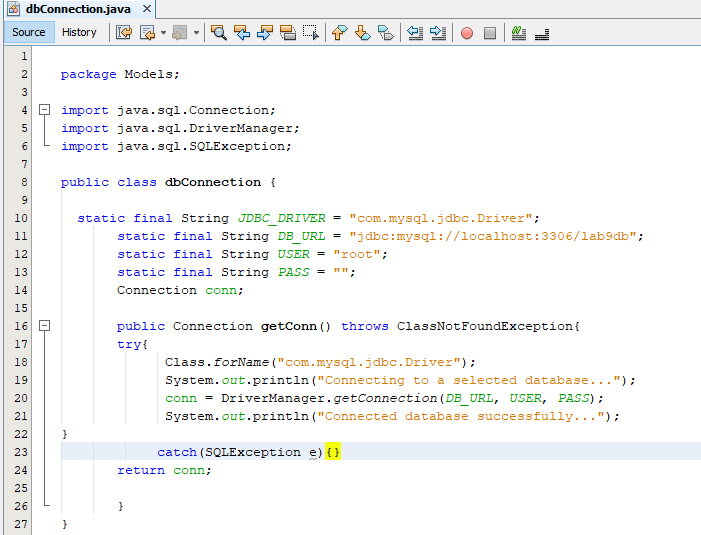
**Index.jsp:**





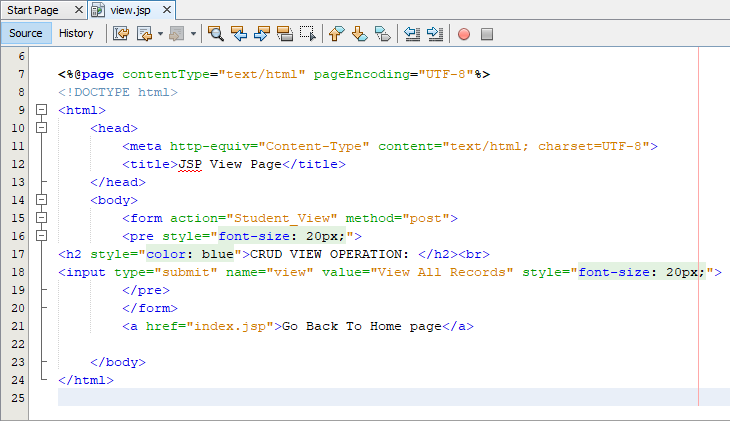


**DATEBASE CONNECTION:**

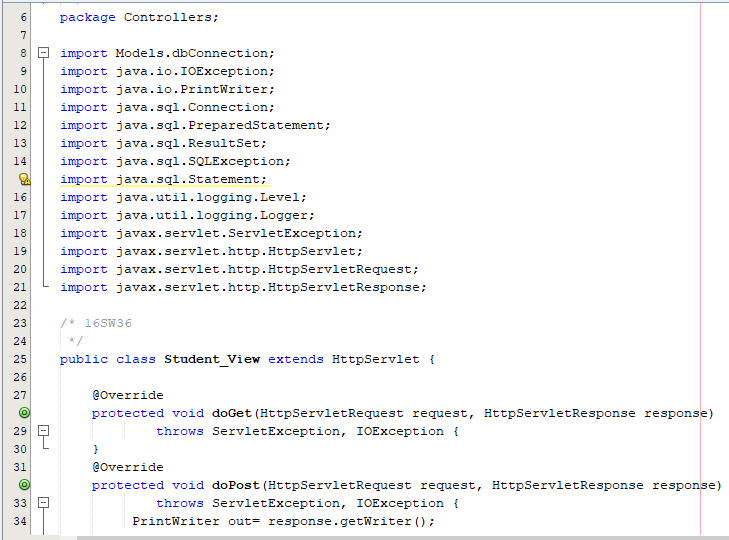


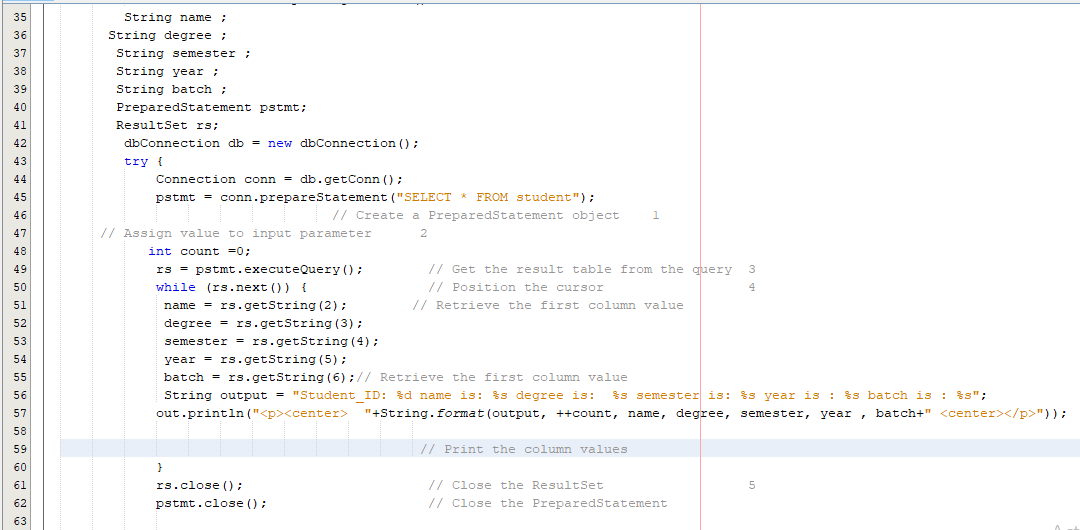
**VIEW OPERATION:**

**View.jsp**

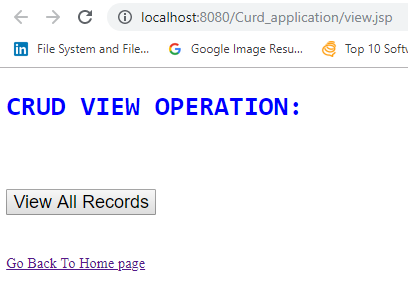


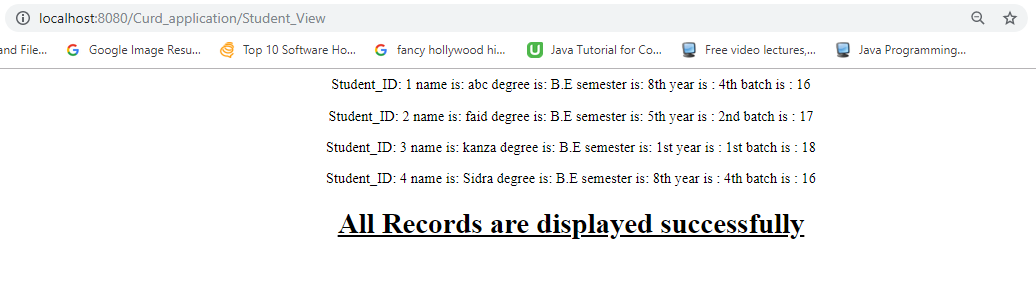
**Student\_View.java (Controller - Servlet Class):**

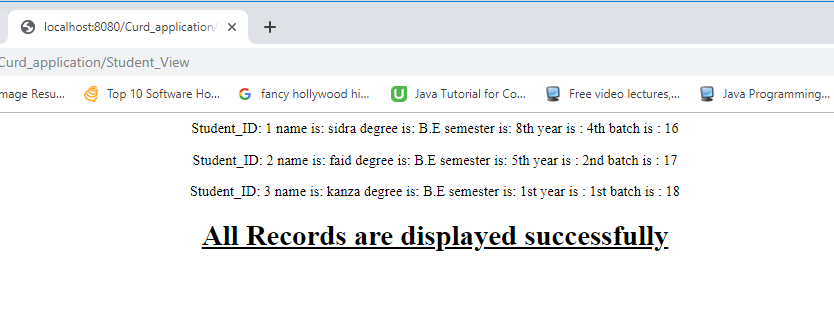






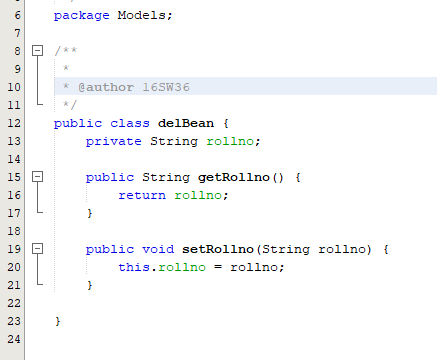






**DELETE OPERATION:**

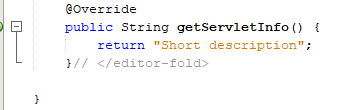
**Model Bean Class: (delBean.java)**



**Student\_Delete.java (Conroller Servlet Class):**

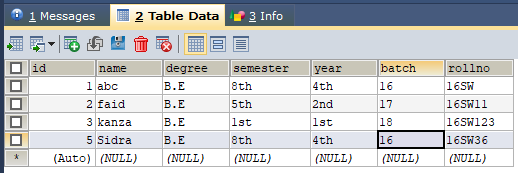






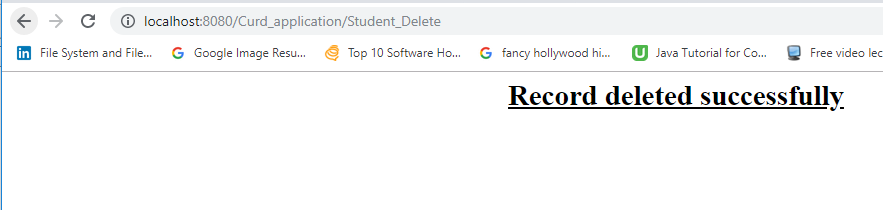
**View Class (delete.jsp):**



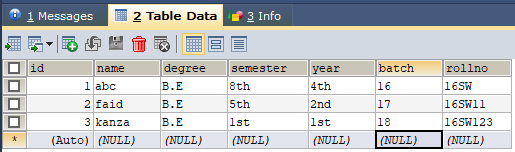




**DELETE OPERATION RESULTS:**

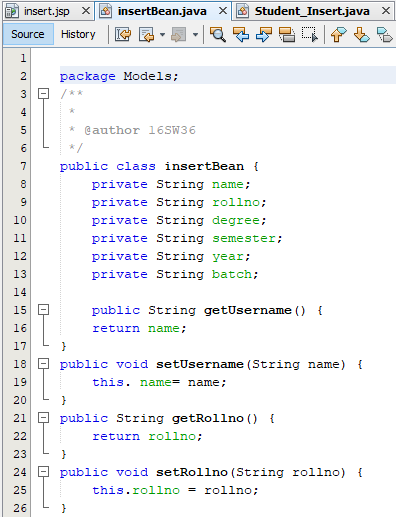


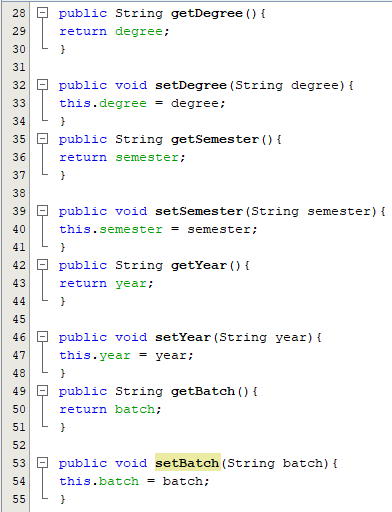
**Record is deleted from the databases:**



**CRUD INSERT OPERATION:**

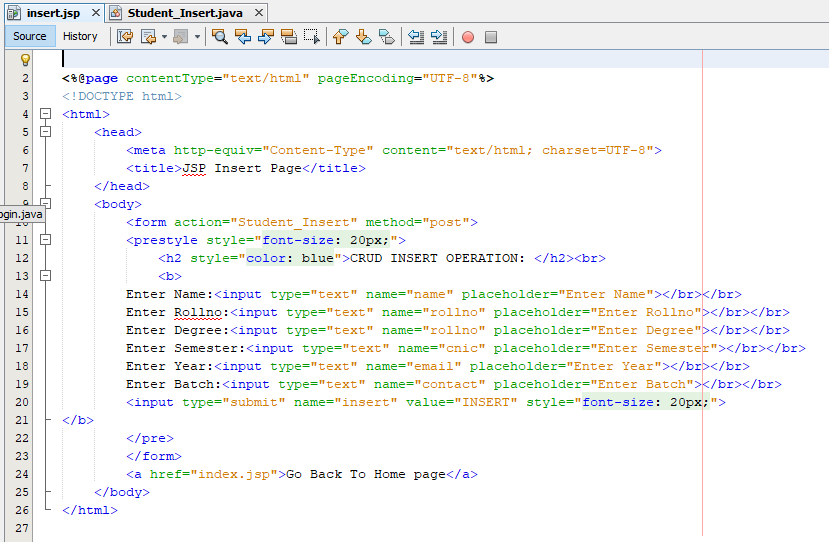
**Modal Bean Class (insertBean.java):**



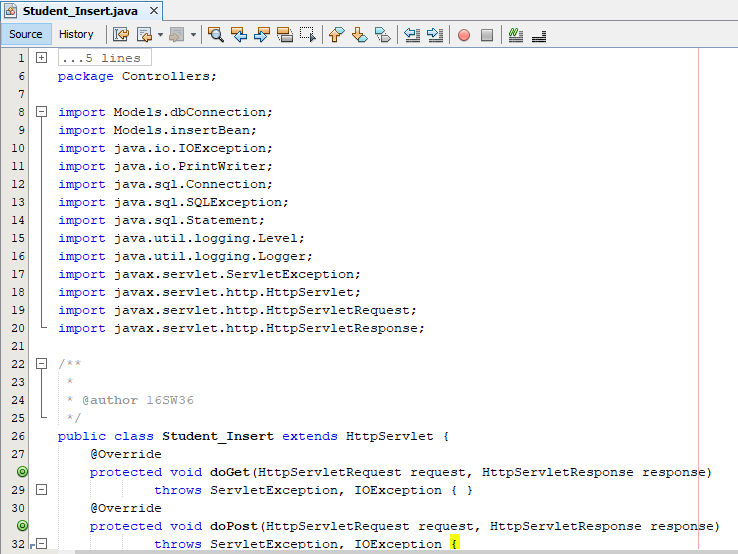


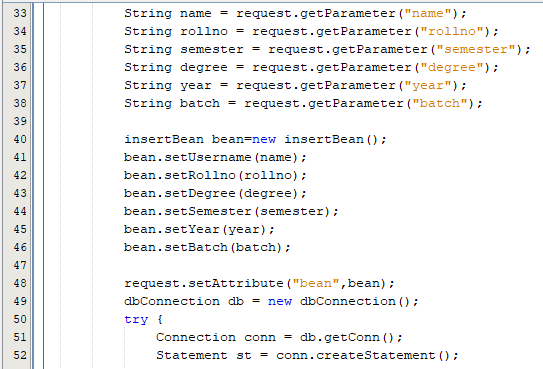


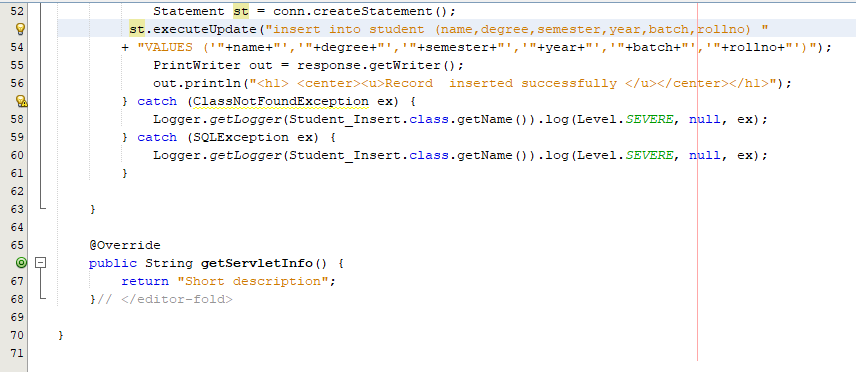
**View (insert.jsp):**

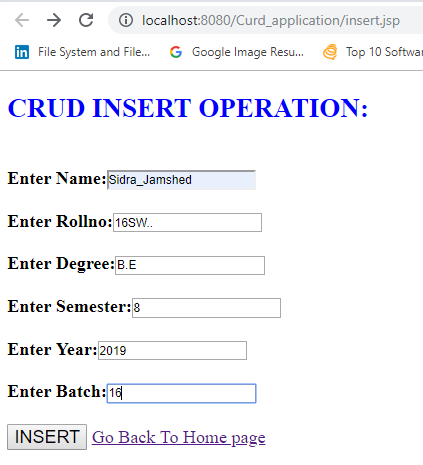


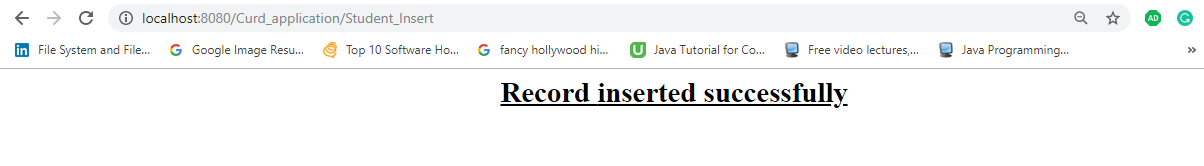
**Controller Servlet Class:**

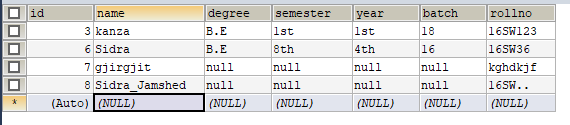






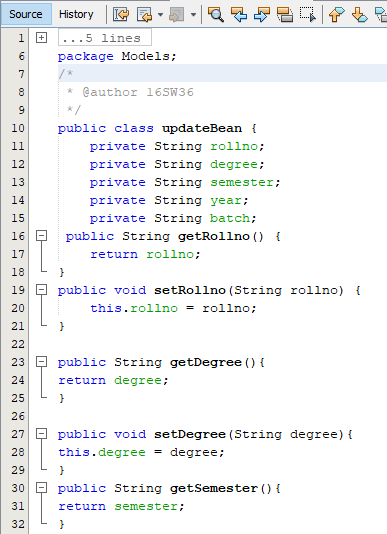


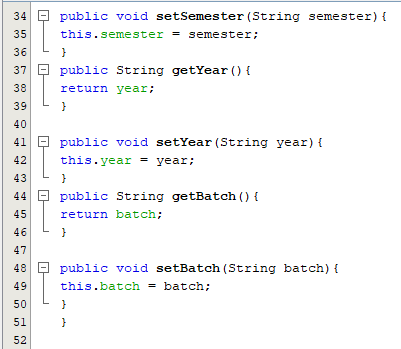




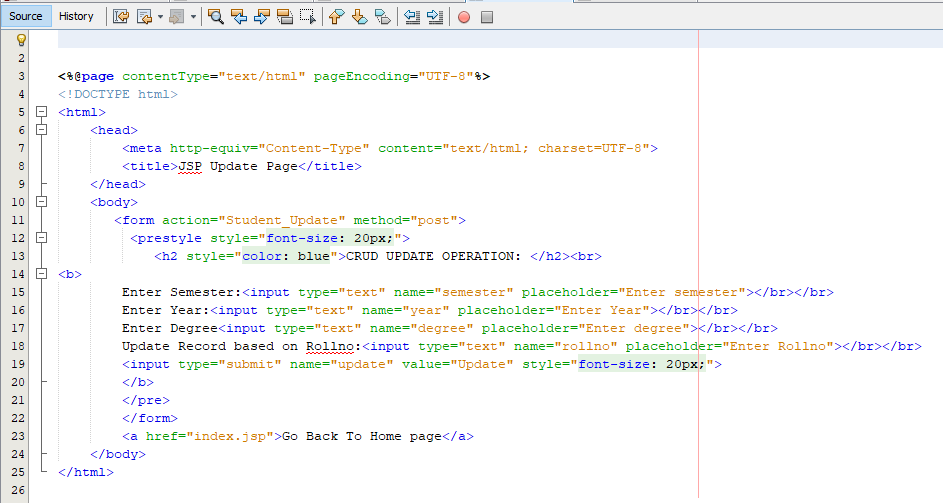
**CRUD UPDATE OPERATION:**

**Modal Bean Class (updateBean.java):**

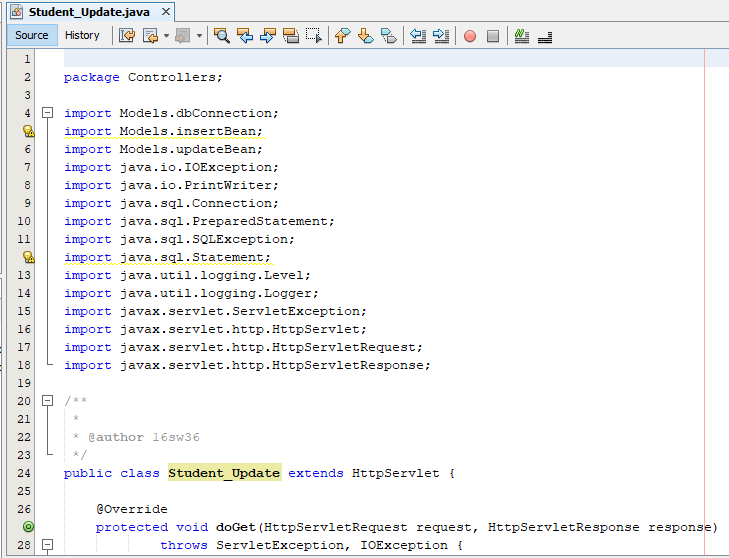


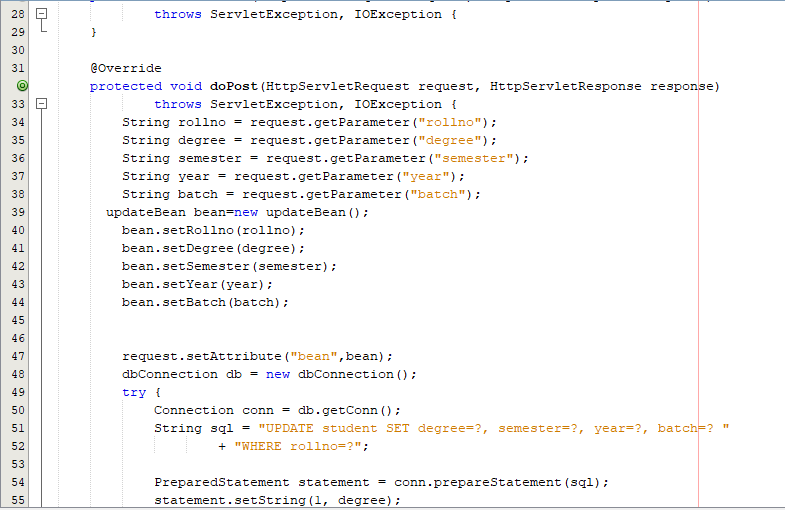


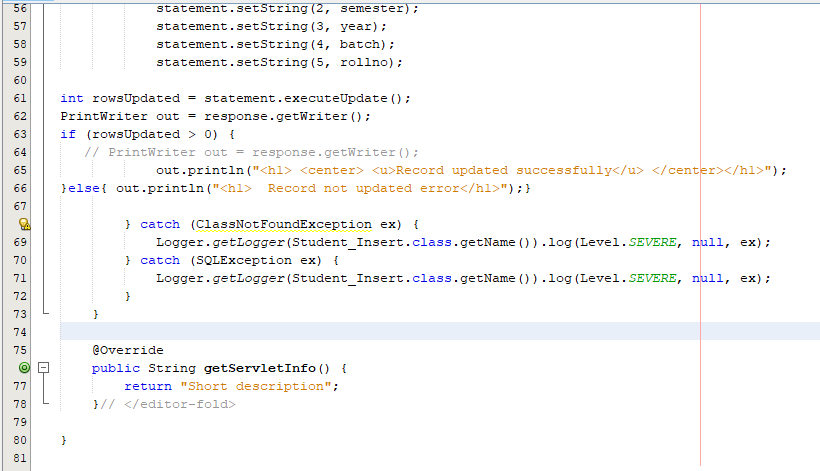
**View (update.jsp):**



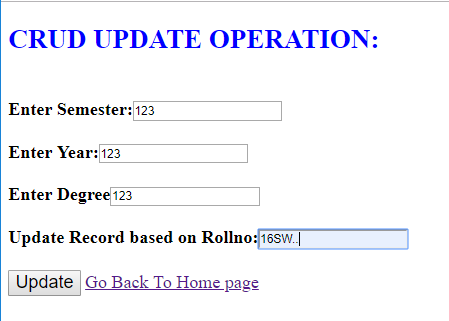
**Controller Servlet Class (Student\_Update.java):**

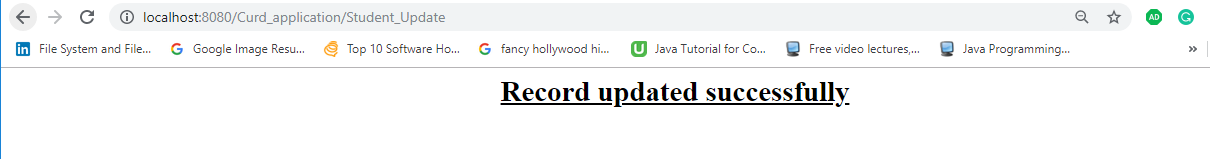




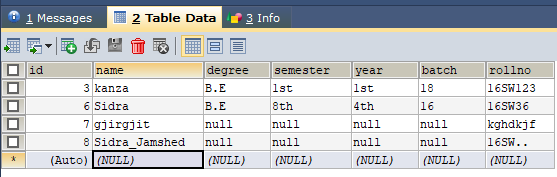


**Results of UPDATE:**





**BEFORE UPDATE:**



**AFTER UPDATE:**

