

Final Exam Spring 2017

Step 1: Create a Database in SQLiteManager called "**Employee Database**".

Step 2: Create a Table called "**EmployeeData**" leave the table empty. Use the following Headings for the table.

- Employee_ID (Integer- Primary Key/Unique)
- First_Name" TEXT
- Last_Name" TEXT
- Birth_Date" TEXT
- Department" TEXT
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Step 3: Open Eclipse and create a new Java Project called "Final Exam"

Step 4: Create a JFrame called "EmployeeInfo"(see **Screen Shot**.)

Step 5: Create a JFrame called "EmployeeResults"(see **Screen Shot**.)

Step 6: Create a **class** (not JFrame) called "finalConnection ". This will hold the connection to your database. Make sure to assign the right path to the Database.

Step 7: Connect all the forms to the Database and to the Table.

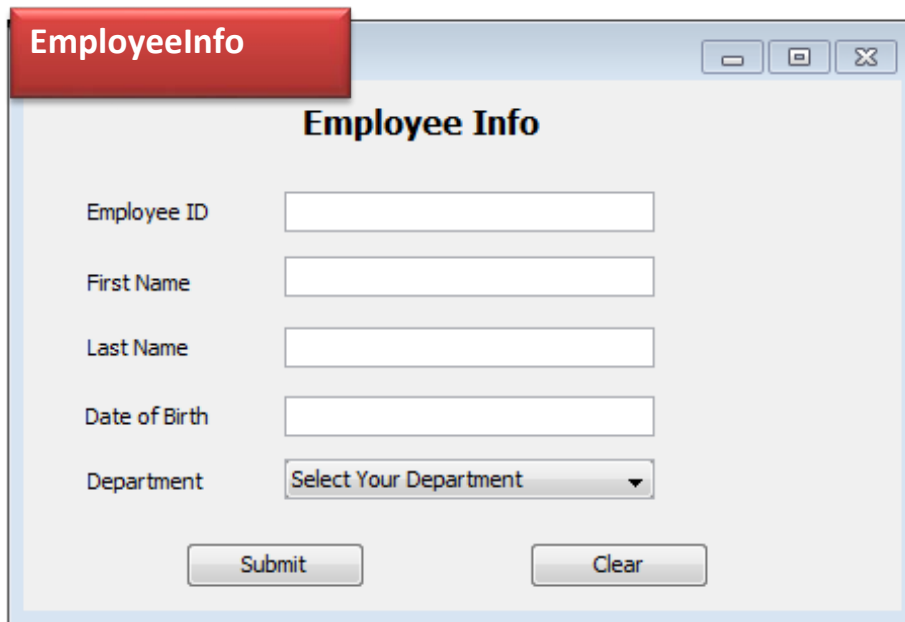
Step 8: Run and test the connections to make sure they are working.

Step 9: Fill out the EmployeeInfo and make sure the data goes to the Database.

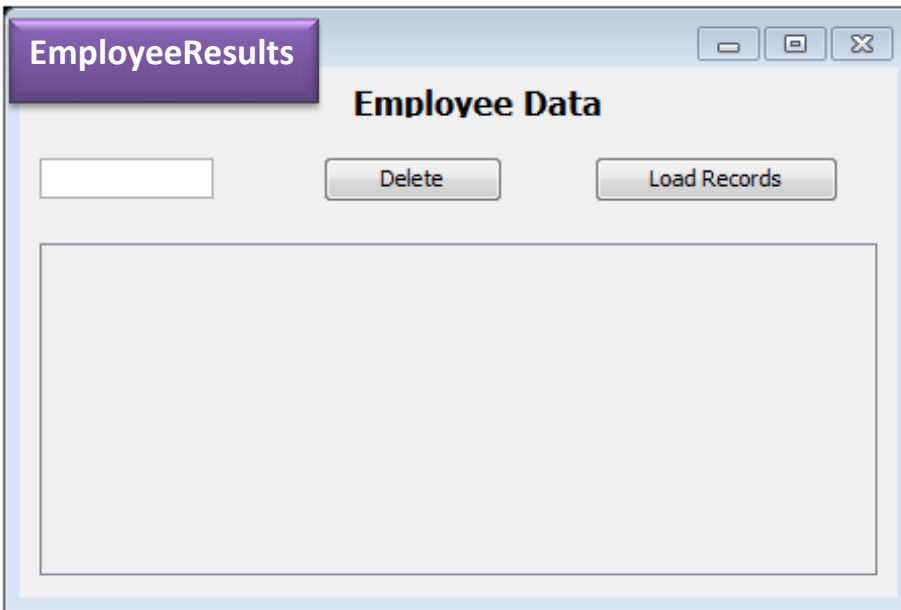
Step 10: Use the following for the ComboBox for Departments

- **Select Your Department**
- Accounting
- Finance
- Marketing
- Human Resources
- Production
- Purchasing
- Sales

- **200 Points total, if Connection and all Forms are working.**
- **20 Points for creating Database and Table.**
- **40 Points for creating the SQLite Connection and connecting successfully**
- **20 Points for creating EmployeeInfo Form Plus 50 Points for connection.**
- **20 Points for creating EmployeeResults Form Plus 50 Points for Connection.**



The image shows a Java Swing window titled "EmployeeInfo". The window has a red title bar and standard window controls (minimize, maximize, close). The main content area is titled "Employee Info" and contains five input fields: "Employee ID", "First Name", "Last Name", "Date of Birth", and "Department". The "Department" field is a dropdown menu with the text "Select Your Department". At the bottom of the window, there are two buttons: "Submit" and "Clear".



The image shows a Java Swing window titled "EmployeeResults". The window has a purple title bar and standard window controls (minimize, maximize, close). The main content area is titled "Employee Data" and contains a search input field, a "Delete" button, and a "Load Records" button. Below these elements is a large empty rectangular area, likely intended for displaying a table of employee data.

Things to Keep in Mind

- An error with the word **Near**, literally means there is an error near a specific word in your code.
- An error of **No Such Table**, means that you might be using the wrong table or not connecting to the right table.
- A **java.lang.nullpointerexception** error could mean that there is no connection to the Database. Check for the connections inside and outside the **connector**.