CS 318 - Week 11 Lab Exercise

Due:

by the end of lab, 4-8-13

How to submit:

AFTER you have successfully demonstrated your running result and I have checked you off as having done so, then submit all of your files, using `~st10/318submit`, as lab number **91**

Requirements:

- You are required to work in pairs for this lab exercise.

- Put BOTH of your names in a comment in the beginning of each file you create as part of this lab exercise

The Exercise:

- Obtain a copy of `lab11-login.html` and `lab11-form.css` from the public course web page, under "Homeworks and Handouts". (No modification is needed to `lab11-form.css` unless you just want to.) Add at least the following information to `lab11-login.html`'s opening comment:

  - both of your names, and the URL from which your copy of the file can be reached (to run this mini-app)

  - (you'll have to change this form's action appropriately, too, so its action is your JSP)

- Write a JSP `XxxnnYyymmEmplsAboveMin.jsp` that meets the following specifications:

  - in an opening comment, include at least both of your names, a description of the action of this JSP, and today's date as the last modified date

  - make sure, in your JSP, that you appropriately use at least one JSP expression tag, declaration tag, scriptlet tag, comment tag, and directive tag

  - if no username is entered, no password is entered, or no minimum salary is given, then the JSP's reaction should be to redirect to your `lab11-login.html`

    - (reminder: Homework 8's "Important Notes" includes a useful command for redirecting in Java)

  - make sure that the minimum salary entered is JUST a single number -- if it cannot be parsed as a double, the JSP's reaction should be to redirect to your `lab11-login.html`

  - but if all is well, try to query the Oracle database using the entered username and password to create an HTML table containing the employee last names, the names of the departments they work in, and their salaries JUST for employees whose salaries are greater than or equal to the entered minimum salary, in order of department name, and for those in the same department, in order of highest to lowest salary within that department. You are required to use a `PreparedStatement` for this query.

- When your little application is running, put your name on the "Next:" list on the board, so you can demonstrate that it works

  - Once you have demonstrated it, then submit your `lab11-login.html`, `lab11-form.css`, and your JSP (or JSPs, if you use more than one), as homework number **91**