Create a program that uses two arrays: one to hold employee names and one to hold employee salaries (standard US currency, two decimal points). The program should prompt the user to enter employee names and salaries (see screenshot for details). The just-entered employee name should be printed when prompting for their salary.

After all employees have been entered, present the user with a menu, implemented with a switch, of actions that can be taken with the data that has been entered. This menu should be presented until the user chooses to quit. The user should be able to:

- print all employees and salaries,
- print the maximum salary and who makes it,
- print the minimum salary and who makes it,
- print the average salary and how many employees make more, less, or equal to the average,
- and quit.

You should have at least four methods for this project. One method, `printAll()`, should simply print all employees and their salaries (using fixed width columns, see `System.out.printf(...)`) line-by-line. The second method, `getMaxSalaryIndex()` should walk through the salary array, determine the maximum salary, and return the index of that salary. The third method, `getMinSalaryIndex()` should be a clone of `getMaxSalaryIndex()`, but should determine the smallest salary and return the index of that salary. The fourth method, `printAverageStats()` should calculate the average salary from the salary array and should then walk back over the array and determine which salaries are lower, higher, or equal to the average and print the results.

Format your output and results cleanly. Ensure that there is appropriate spacing and line breaks in your code. Sloppy output will be marked down.

Grading:

- 48 points – code
  - 8 points – main method, menu, correct loops, method calls
  - 10 points each – required methods

- 12 points – style and documentation requirements

Follow all assignment guidelines on the course web site. Email Java source files as attachments to chris.williams@armstrong.edu by 11am on the due date. The naming convention for projects is your last name followed by the project number, for example Williams6.java (Note: make sure your class name matches your file name). The subject of the email should be CSCI 1301 Project 6.
Enter the number of employees: 3
1 of 3
Enter employee name: Joan Smith
Enter Joan Smith's salary: 92350
Employee Recorded

2 of 3
Enter employee name: James Joyce
Enter James Joyce's salary: 47200
Employee Recorded

3 of 3
Enter employee name: Carol Burns
Enter Carol Burns's salary: 47500
Employee Recorded

1 - Print All Employees
2 - Print Maximum Salary
3 - Print Minimum Salary
4 - Print Average Stats
5 - Quit
Please choose an option:

Employees:

<table>
<thead>
<tr>
<th>Name</th>
<th>Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joan Smith</td>
<td>92350.00</td>
</tr>
<tr>
<td>James Joyce</td>
<td>47200.00</td>
</tr>
<tr>
<td>Carol Burns</td>
<td>47500.00</td>
</tr>
</tbody>
</table>

1 - Print All Employees
2 - Print Maximum Salary
3 - Print Minimum Salary
4 - Print Average Stats
5 - Quit
Please choose an option:

The largest salary is $92350.00 made by Joan Smith

1 - Print All Employees
2 - Print Maximum Salary
3 - Print Minimum Salary
4 - Print Average Stats
5 - Quit
Please choose an option:

The smallest salary is $47200.00 made by James Joyce

1 - Print All Employees
2 - Print Maximum Salary
3 - Print Minimum Salary
4 - Print Average Stats
5 - Quit
Please choose an option:

The average salary was 62350.00.
There are 1 higher than average salaries, 2 lower than average salaries, and 0 average salaries.
Table 1-Sample run of the program