Project

Before attempting this project, be sure you have completed all of the reading assignments, non-graded exercises, discussions, and assignments to date.

Write a Java program which displays a menu to allow user the following functionality:
1. Load employees' data - prompts user for the number of employees to be loaded and then prompts for each employee name, id (5 digit number), and annual salary
2. Add new employee - prompts user for an employee data, name, id, and annual salary
3. Display all employees - displays each employee's data to the console, one employee per line
4. Retrieve specific employee's data - prompts user for the employee id and displays the corresponding employee's data: id, name, and salary
5. Retrieve employees with salaries based on range - prompts user for the lowest and highest salary and displays all employees with salaries in that range. Display each employee on separate line with all information - name, id, and salary
6. Exit

Design and implementation notes:
- Each menu selection should be implemented as a separate method
- Employees' data should be saved in arrays, you can allocate for maximum 100 elements
- After completion of each selection, program should display the menu again to allow user another selection until they select Exit

Make sure your Java program is using the recommended style such as:
- Javadoc comment up front with your name as author, date, and brief purpose of the program
- Comments for variables and blocks of code to describe major functionality
- Meaningful variable names and prompts
- Identifiers are written in upper CamelCase
- Class name starts with upper case letter and variables in lower case letter
- Constants are written in All Capitals
- Use proper spacing and empty lines to make code human readable

Capture execution:
You should capture and label screen capture associated with compiling your code, and running a test case. There should be a screenshot for the execution of each menu selection

Submission requirements

Deliverables include Java program (.java) and a single Word (or PDF) document. The Java and Word/PDF files should be named appropriately for the assignment (as indicated in the SubmissionRequirements document.

The word (or PDF) document should include screen captures showing the successful compiling and running of each of the test cases. Each screen capture should be properly labeled clearly indicated what the screen capture represents.

Submit your files to Assignment 6 submission area no later than the due date listed in your online classroom.

Grading Rubric:
The following grading rubric will be used to determine your grade:

Attribute	**Level (10-6 points)**	**Level (6-2 points)**	**Level 0 (0 - 2 points)**
Arrays	Correct or almost correct prompts and captured input in arrays	Mistakes in prompts and/or capture of input and/or arrays	Missing or close to missing user input and/or use of arrays
Methods	Correct or almost correct use of methods	Mistakes in implementation of methods	Missing all or some methods
Menu	Correct or almost correct menu implementation	Mistakes in menu implementation	Missing or almost missing menu
Load data functionality	Correct or almost correct design and implementation	Mistakes in design or implementation	Missing or significantly incorrect design and/or implementation to provide the required functionality
Add employee data functionality	Correct or almost correct design and implementation	Mistakes in design or implementation	Missing or significantly incorrect design and/or implementation to provide the required functionality
Display all data functionality	Correct or almost correct design and implementation	Mistakes in design or implementation	Missing or significantly incorrect design and/or implementation to provide the required functionality
Retrieve employee data	Correct or almost correct design and implementation	Mistakes in design or implementation	Missing or significantly incorrect design and/or implementation to provide the required functionality
Retrieve employees with salary in range functionality	Correct or almost correct design and implementation	Mistakes in design or implementation	Missing or significantly incorrect design and/or implementation to provide the required functionality

Screenshots	Correct or almost correct test execution	Mistakes or incomplete execution	Missing or significantly incorrect execution
Program documentation and style	Correct or almost correct program comments, and identifiers	Mistakes or incomplete documentation and/or style	Missing or significantly incorrect documentation and/or style