Exercise M2

Write a program that will count the number of lines in each file that is specified on the command line. Assume that the files are text files. Note that multiple files can be specified, as in "java LineCounts file1.txt file2.txt file3.txt". Write each file name, along with the number of lines in that file, to standard output. If an error occurs while trying to read from one of the files, you should print an error message for that file, but you should still process all the remaining files.

Submission Instructions

Create a zip file containing all of your source code files and submit via Canvas. Besides turning in the code, you must show your program running to the TA. The TA will ask you questions about it, and may want to see it executing in different configurations.

It is not enough to mindlessly type lines of code. You need to make sure you understand what each line of code is doing. You will be quizzed about it.

Rubric

**Exercise M2 Rubric**

| Exercise M2 Rubric | | |
| --- | --- | --- |
| **Criteria** | **Ratings** | **Pts** |
| This criterion is linked to a Learning OutcomeSupport multiple command-line arguments | |  |  | | --- | --- | | **2.5 pts**  **Full Marks** | **0 pts**  **No Marks** | | 2.5 pts |
| This criterion is linked to a Learning OutcomeCorrect output for all cases | |  |  | | --- | --- | | **12.5 pts**  **Full Marks** | **0 pts**  **No Marks** | | 12.5 pts |
| This criterion is linked to a Learning OutcomeAnswers about code and concepts sufficiently | |  |  | | --- | --- | | **5 pts**  **Full Marks** | **0 pts**  **No Marks** | | 5 pts |
| Total Points: 20 | | |