

Interview Assignment 3L

We'd like you to write a library that computes some statistics about a text file stored on disk.

The statistics we'd like you to compute are:

- whitespace delimited word count,
- line count,
- average number of letters per word (to one decimal place) and
- most common letter.

Tasks

1. Design a library which satisfies the above requirements. Justify any design decisions you have made in an accompanying README file.
2. Write an implementation of the above, aiming for production-quality code.

Please complete the task in Java. We would like be able to run your software to test it, so please ensure it's runnable on a fresh Windows machine, and that the code is available to download from a well-known and reputable website. The intent is to allow you to showcase your software development abilities.

Provide some notes on how we can build and run your code in the README.

Vague requirements are a feature of the real world. If you find any ambiguity in this document, try to resolve it in a sensible way. Feel free to note any such decisions and their justification in the README if necessary. If this is not possible, send an e-mail asking for clarification.

We'll check the accuracy of the output; assess the program for style and readability; and also look at how easy it is to extend your program to compute additional statistics. If your program meets the required standard we'll invite you to a follow up interview. Please have your code to hand when we talk to you.

Thank you.