

Map assignment

Write programs that use maps to do each of the following:

- 1) Create a frequency chart of all the words in a large text file. The file should have capital letters and punctuation. Be sure to “fix” each word that is read from `inFile`. For example, the words `slime`, `Slime`, `slime!` and `slime??` should all count as the same word, `slime`.
- 2) Create a frequency chart of all the letters in a large text file. Your program should write the frequencies to an `outFile` that lists the frequencies as percentages.
- 3) Use a `TreeMap` to alphabetize a list of names in `inFile`. Hint: Each key is the lowercase “fixed” name string. The corresponding name is the name read from the file. This guarantees sorting on the “fixed” strings, without using a sorting algorithm!

For each of these programs, hand in the original files as well as the output.