Project #5 – Text Analysis Using Tries

Jacob Trier Frederiksen & Anders Kalhauge

Algorithms and Datastructure, Spring 2019

Mantra: work with your groups!

Implement a Trie (from Weekly 18, Book Chapter 5.2) that works on the English alphabet, as well as ´ .

The trie shall save information about each word in a text with the word and it's number of occurences.

Try the data structure on Shakespeares complete works. Write out all words with their counts in alphabetic order.

Tips: below you can find a suggestion for structuring your report on this assignment.

Contributions : Theory on this topic has found that ... our project concludes that ...

Background : Analyzing ... and ... can result in valuable information ... which cannot be gained by directly ...

Research Questions : Can a ... be used to ... ?

Methodology : This project took the approach to compare ... with ... The analysis was done by choosing various ... as the observations.

Findings : We found that ... which is seems to ... We can therefore [support]/[challenge] theory ... from our studies in this project.

Outlook : We think that ... for future investigations ... to obtain ...

Your group's solution (or link to same) – accompanied with a description in a README.md file – should be uploaded (pushed) to a git repository, and a link should be handed in, in Moodle no later than Wednesday May 17. 12:00.

Upload to your group's report and solution to the Peergrade website, no later than Monday May 20th, 22:30.