

# Assignment 01 - Sorting Shakespeare's complete works

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We want Shakespeares complete works, sorted by word. Meaning that “to be or not to be, that is the question” would be sorted as: “be be is not or question that the to to”.

You'll find the complete works in the [GitHub course repository under Weeklies](#).

You will work in groups of three to create a Java program, that can:

- Read any textfile (as the above into an array or ArrayList)
  - All words should be lower case
  - No punctuations - strip commas, full stops, etc.
- Sort the array using different sorting algorithms:
  - Selection Sort
  - Insertion Sort
  - Merge sort
- Be extended with other sorting algorithms in the future.
- Measure time consumption for each algorithm and compare them, and discuss the results in a one-page summary.

The solution accompanied with a description in a README.md file should be uploaded (pushed) to a git repository, and a linked should be send to JTF **and** AKA, no later than Tuesday February 15<sup>th</sup>, 08:30.