

Algorithms Analysis and Design

April 2019

Lab 4

Preliminary task:

In this lab you will first be required to read in a random Essay containing 10000 words or more of text.

Main task:

Implement the KMP algorithm such that your program can search for a text pattern as the input to your program in the input text. For each occurrence print the one word before and word after the occurrence of the pattern on a line.

You will be asked about the implementation of your algorithm and its performance for this input and longer texts.