

COMPUTER PROGRAMMING 2 [PROJECT 1]

INITIAL DOCUMENT/TECHNICAL DOCUMENTATION

TITLE: Diff

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**Task description**

The program should compare two text files and list the differences, i.e., lines and columns of the beginning and the end of a given difference.

**Project analysis**

Program operates on two singly linked lists, each element stores words read from input txt file, in which line and in which possition this word appears, and the note about the diffrence.

Program compares word in the first list with the word on the same possition in the second list, if they are diffrent function void diff stores that info in the list and then function void printdiff shows on which possition the difference begun, and it prints the whole difference word by word.

**External specification**

The program can be started from the command line, passing over the paths to the input files as the arguments

Diff.exe <file1> <file2>

For example:

Diff.exe c:\input1.txt c:\input2.txt

Or

The program can be started using visual studio, where you can set the arguments in the project properties (Properties/Configuration Properties/Debugging/Command Arguments)