

# CS2443 HW Two

Deadline: Apr 13, 2025

1. Input: The input consists of two text files, with at most 2000 letters each.

Output: The edit distance between the two texts.

Accept the name of the two files as input. Submit a single file (one program file or one zip file with multiple program files) and name your submission file with your roll number.

**Sample Input:** There are five text files S1.txt to S5.txt. Four of them represent amino acid sequences of keratins, a protein found in human skin, hair and nails; the fifth is the amino acid sequence of a particular type of myosin, a motor protein. The smallest edit distance among the keratins is 156 and the largest distance from myosin to a keratin is 556.