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# **Data Structures and Algorithms II**

## Project 5

User's Manual

### **Setup and Compilation**

- 1. Download and unzip the submission from eLearning on a Linux box in the multi-platform lab.
- 2. The submission includes:
  - main.c
  - part1.c
  - part2.c
  - functions.c
  - main.h
  - part1.h
  - part2.h
  - functions.h
  - multipleSequences.txt
  - twoSequences.txt
  - FunctionalDecomposition.txt
  - makefile
  - Users Manual for Project5.docx (This document)
- 3. Environment: This program was designed and tested on Eclipse. It has also been tested in in the Linux lab and does work as expected.
- 4. This program includes a Makefile. At the command line in Linux, type make. The program produces an executable entitled "Project5".

# Running the program

Be sure the following files are in the same directory as the executable: "multipleSequences.txt" and "twoSequences.txt". While in the Linux Lab, navigate to the folder containing all of the files associated with Project4 and issue the command "make" followed by "./project5". No user input is required as both parts 1 and 2 will execute automatically. Notice that I adjusted the LCS algorithm in part 1 and part 2 to run for x/y[0...n-1] instead of [1...n]. In the input text files, do not include throwaway character, ie. If you want string "dog" string must loaded as "dog" from text file.

**Output:** All output goes to the console. Output will be similar to this:

