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Data Structures and Algorithms II

Project 1

Functional Decomposition

Setup and Compilation

1. Download and unzip the submission from eLearning on a Linux box in the multi-platform lab.
2. The submission includes:
   - UNIXcommands.c
   - functions.c
   - prototypes.h
   - definitions.h
   - FunctionalDecomposition.txt
   - commands.txt
   - Makefile.txt
   - UsersManual.docx
3. Environment: This program was designed and tested on Eclipse and will for sure run by using it. It has not been tested in the multi-platform lab.
4. This program includes a Makefile. At the command line in Linux, type make. The program produces an executable entitled UNIXcommands.

Running the program

Be sure commands.txt is in the same directory as the executable. Issue the command ./UNIXcommands. No command line arguments are required. If running it with Eclipse, make sure all files are saved into the same directory and Ecplise recognizes the directory as a project folder.

User input: no user interaction with the program is required.

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

$ pwd

linam/root/

$ mkdir abc

abc

$ cd abc

linam/root/abc/

$ addf f3

$ addf f2

$ addf f1