CSC365: Lab 1 Writeup

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Initial Decisions: Programming Lanuage - Python, Development Environment - VSCode

Internal Architecture: Chose an if/elif structure in main for parsing the search command for simplicity of logic. Used regular expressions to parse search commands. Mainly used list data structures for parsing file and storing some data results.

Task Log:

Name	Start	End	Total Time
Main Loop	1:00	1:15	15 mins
Function Planning	1:15	1:45	30 mins
"Info" Functionality	1:45	2:00	15 mins
Remaining Search Commands Functionality	2:00	3:30	1.5 hr
Confirm Functionality, Unit Test	12:30	1:30	1 hr
Write Test Cases	1:30	2:15	45 mins
Comment Code	2:15	2:30	15 mins
Put program output in test.out	1:30	1:50	20 mins

Testing Notes:
- First, tested each query functionality individually.
  - Bugs encountered for regular expressions used and a couple type errors (string to int), solved in less than 15 mins
- Then, constructed test suite to confirm all commands yielded appropriate results.

Final Notes:
N/A