Lab 1-1
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Initial Decisions:

We decided to use Python 2 to implement this lab.

Internal Architecture:

We read the students.txt file once, and store each line of the file in a list of Student objects that we can easily search. For our Student object, we created a field representing each column of the text file to easily clean and retrieve the data being search for.

Tasks:

- Read in file and parse into array of student objects (initial set up) - Avinash Sharma
    - Started and finished April 3rd in lab (30 min)
- Each interactive command - Cole Grigsby, Avinash Sharma
    - Met on Tuesday in library to work on it (2.5 hours)
- Testing - Cole Grigsby, Avinash Sharma
    - While writing commands we wrote the test cases for them (1 hour)
- Writeup - Cole Grigsby, Avinash Sharma
    - Started April 3rd in lab (10 min)
    - Finished April 4th in library (25 min)

Testing:

We wrote test cases as we designed methods for each command to test their functionality. After completing the commands, we tested everything together. We found a few small formatting errors that we were able to fix quickly such as, parsing our input using split by whitespace instead of split by a single space. We didn't have too many bugs, but we had an issue with passing parameters within a function in our gradeTop and gradeLow functions that we spent about 10 minutes to fix.

Final Notes:

We wrote a function to get the results for each command from the user input and printed out the results of those functions within our runProg function.