

Lab Exam 1


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Due Monday by 3pm **Points** 20 **Submitting** a file upload
Available Sep 16 at 12pm - Sep 16 at 3pm about 3 hours

Hello there,

The goal is to read a TXT file with student data, and do the following operations

1. Read student data from a file called "students.txt"
2. Create a user menu to do the following
 - a. Put student data inside an array as class objects and print them out in the console
 - b. Calculate the average score of all students and print out the score in the console (overloading + required)
 - c. Find the top student with highest score, and output his/her data to a new file called "top_1.txt"
 - d(**optional, 3 Bonus Points**). Find the top 3 students with highest score, and output their data to a new file called "top_3.txt"
 - e(**Double Bonus!!**). **You have to perform option d first before you do this.** Sort the data by their score and output them into a file called "GiveMeBonus.txt".

Only [students.txt](#)  is provided. You should create a class called "student", and have private variable (student_id, fname, lname, phone, email and score). You do not need to have "set" or "get" functions as long as you can perform a, b, and c options.

You need to submit

1. main.cpp
2. student.cpp
3. student.h
4. Your output files

Grading will base on the overall performance of the class, so do not worry about your score.

Good luck!