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COSC 120

Project 2

a. We want to take in data from the .dat file for each student and calculate the grades. It needs to account for quiz scores, labs projects midterms and attendance. After taking these all in it needs to find the averages and calculate the letter grade. It then needs to output to a separate .dat file with the first and last name and final grade.

b. Student Array student student_array holds list of student objects which holds the quiz,lab,project, and midterm grades

Quiz array int quiz_array holds student's quizzes

Project array int project_array holds student's projects

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c. Function get_averages (student John) uses the student object as input then goes through it and calulates the grades of all the quizzes tests exams and projects saves the averages in variables also within the student object.

d. Function final _scores (student John) Once again uses the student object for input and manipulates data within it) uses the info in the variables and calulates the final score

e. Function debug_output (Student Object) takes in data from the student object and outputs it to the console for easy debugging