

#### Intro:

This program takes the scores of the different students listed in a file and calculates the final score by the equation given on the syllabus.

#### Purpose:

The purpose of the grade calculation program is to introduce us to a new programming language and start coding with it.

#### Description:

My program assumes that there are 7 assignments total, so it reads the first 7 grades as assignments and adds them together and divides by total number of assignments which is 7 to get the average assignments score. Then it assumes the second 7 grades are test grades, so it reads them from the file and adds them together and divides by the total number of tests which is 7. And my program assumes the last two grades are for the midterm and the final. After that, it takes the average test score, the midterm, and the final to calculate (E). It also checks if the exams' average is below 60 and prints it out as the final grade. If the exams' average was above 80 it calculates the average assignments score and adds it to the final grade. If the exams' average was between 60 and 80, then it would use another equation to calculate the weighted average including the assignment to output as the final grade.

#### Discussion:

My program uses a while loop to read each line until it gets to -1, then it stops.