

DASL-100.2

C++ Programming and Linux

Homework #1 – Due 2/11/2023

- I. As the semester about to finish, you would like to create a program that could calculate your final grade based on the theoretical grade you'd get on your final exam :
 1. Write a program that allows user to enter two integers. The input cannot exceed 200. (Two possible grade you'd get on your final).
 2. Declare a 3rd variable and assign a value of 1100 (This is your current points in the class).
 3. Declare a 4th variable and assign a value of 1400 (This is the total points in the class).
 4. Declare a 5th variable and perform math: (This is your final grade)
 - a) Final grade = (current points + input final grade) / total points.
 5. If your final grade is
 - a) Less than 59 then you get F
 - b) 60-69 then you get D

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- c. 70-79 then you get C
 - d. 80-89 then you get B
 - e. 90-100 then you get A
6. Perform data output:
- a) If you get “input 1/2” on your final exam,
 - b) Then your final grade point is:
 - c) Your letter grade is:
- *Note: Every problem is worth 5 points. Problem 1 and 4, 5, 6 can be earned 1 points of extra credit.

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- II. Write a program that allow user to enter 2 characters and store in an array of two elements.
 1. Enter your first initial:
 2. Enter your second initial:
 3. Combine this array into a string.
 4. Declare another string variable and assign : "Hello ! Welcome to DASL"
 5. Add the 2 initials to the string above so that it will say: "Hello TT ! Welcome to DASL" (Example: TT are the input character)
 6. Count the length of this string.