



Programming in Python

Assignment 2

Grade Calculator

Create a Python program that takes the following input from a user (via the command-line).

- Students full name
- Exam score 1 (out of 100)
- Exam Score 2 (out of 100)
- Exam Score 3 (out of 100)
- Attendance Percentage (out of 100)

If the user enters an invalid value for any input, then discontinue the program.

With this input, produce the following and print the values:

- Average Exam Score
- The students initials
- The students second name
- The students overall grade given their average exam score
 - The grade thresholds are given below. If a student has an attendance less than 75%, they automatically receive an F grade.

| A | B | C | D | F |
|---------|-------|-------|-------|------|
| 85 -100 | 70-85 | 55-70 | 40-55 | < 40 |

Additionally, convert their average exam score to GPA.

- GPA is calculated given the percentage on a 4.0 scale.
- For example, an average exam score of 90% equals a GPA of 3.60
- Print the students GPA

You may use chat bots or the internet to help your understanding of Python but refrain from using these tools to directly answer any part of the assignment as this will only damage your learning of the subject.

Cooperation for this assignment is permissible but copying is not tolerated

You must understand each line of your code upon submission.

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the subject.

Submit your .py file through the assignment submission link on Moodle.