



Introduction to Programming

Assignment 2

Create a Python program to calculate the grade for MAD 102. You'll have to decide what user inputs are you taking, then document them accordingly with comments. The expected output is an average of the grades of each assessment category, overall grade, and final grade based on the overall score and grade description. **The goal is to have this program minimize the user's effort to calculate the Grades for MAD 102.**

Use below grading scale below for the final Grade:

Overall Score	Grade	Grade Description
≥ 80	A	First Class
$\geq 70 \ \& \ < 80$	B	Second Class – Upper Division
$\geq 60 \ \& \ < 70$	C	Second Class – Lower Division
$\geq 50 \ \& \ < 60$	E	Pass
< 50	F	Fail

For this assignment, you will continue with assignment 1 to find the grade based on the overall average.

Do not forget to include comments that state the author, the date the program was created, and the purpose of the program. Additionally, add comments throughout describing the various steps.

For this assignment, you can assume the user will enter proper input and will use the program correctly.

Course Breakdown:

Test 1 is worth 20%

Test 2 is worth 20%

Test 3 is worth 20 %



Introduction to Programming

10 Quizzes worth 10%

10 Assignments worth 30%

Example output:

Test Average: 78%

Quiz Average: 90%

Assignment Average: 60%

Overall Average: 78%

Grade: B – Second Class – Upper Division

Submission:

- **You must submit a .py file**
- **Do your own work!** A mark of 0 will be assigned to the entire assignment for work that is not your own and will be handled as per the **Code of Student Rights and Responsibilities**
- **All work must be run and validated to ensure that it is free of errors.** Any assignment that is submitted showing errors that prevent it from running will receive a mark of 0.
- **Only apply the knowledge that we have learned in class to this point.** Answers using any syntax or knowledge that we have not covered yet will receive a mark of 0 for that question.
- **Any assignment submitted past the posted due date and time will receive a mark of 0.** Do not wait until the last minute to complete and submit your work.