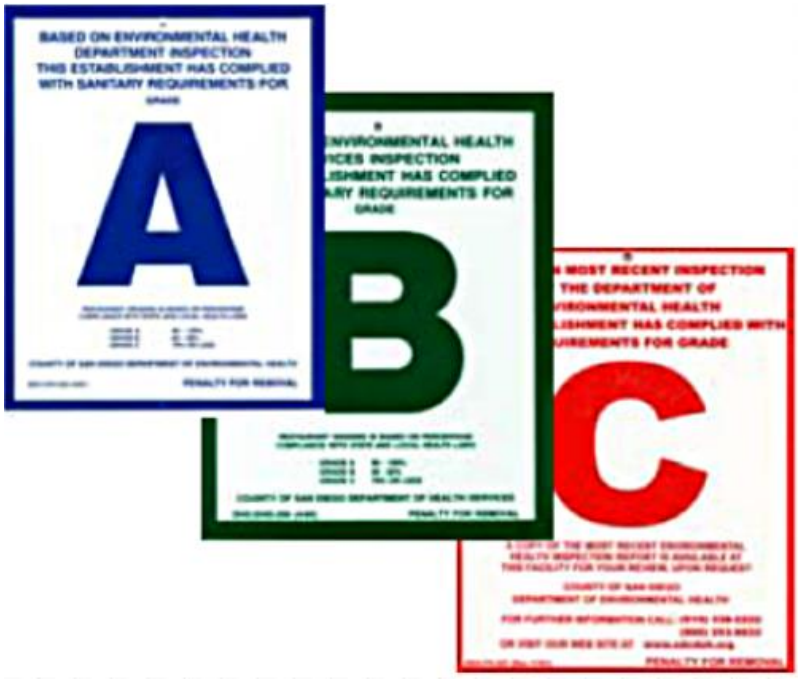
GEOG 1180 Introduction to Geo-Programming

Assignment 2 Build a Simple Grading System



In this assignment, you will build a simple grading system which can convert a numeric grade (0~100) to a final letter grade (A, B, C, D, etc.). Please download "Assignment2.py". Five original grades are provided in "Assignment2.py".

Here are the requirements for the assignment:

1) Write a script that will convert the grade (0~100) to final grade (A, B, C, D, etc.) based on the grade conversion rule in Table 1 below. Print the final grade (A, B, C, D, etc.).
2) If the original grade is out of range (> 100 or < 0), the program should print an error message.
3) Make sure that your program is precise enough to deal with decimal grades (i.e. if the grade is 93.4, the student will get an A- but if the grade is 93.5, the user will get an A). (Hint: check out the function *round()*)
4) Add relevant comments where necessary.
5) Run the script five times each with a different given original grade to test your script. That is, each time, execute one of the grades while commenting out the others.

The following table lists the rules for grade conversion. Please submit a Python script in Canvas for this assignment by the due date.

Final grade	Original grade
A	94 - 100
A-	90 - 93
B+	87- 89
B	84 -86
B-	80 - 83
C+	78 - 79
C	75 - 77
C-	70 - 74
D+	65 - 69
D	60 - 64
E	< 60