**Lab #4 (10 points + 5 bonus points)**

# Practice: if, elif, and else statements

Problem: report grades.

Write a program to do:

1. Ask a user to enter a score (integer),
2. Output the grade based on the following scale.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| <0 or > 100 | 0 to 59 | 60 to 69 | 70 to 79 | 80 to 89 | 90 to 100 |
| No grade | F | D | C | B | A |

1. (Bonus) Validate the user input. Tell the user to enter a score in the range of 0 to 100. Give a user up to 3 times to enter a score in the range, if the user failed all three times, output a warning message and terminate the program without giving the grade. If a proper score is entered, then output the grade and terminate the program with a thank you message.

Required testing:

Run the program at least six times to cover all the scenarios (i.e. A, B, … all possible grades.)

Submission requirement:

1. Copy and paste the output of all your test runs to the end of your program and comment out the output
2. Upload your Python program (with output added) to blackboard along the Lab 4 link.