

CST 8102  
Lab 8 - myGrade.sh  
Only complete this lab if your student number is even

Introduction to scripting

Write the following script using the Linux VM and vi (or vim) as the editor.

Create a script called myGrade.sh that will calculate the final grade, and display the letter grade for a course. Use only integers for input.

The first line of the script must force the use of the bash shell.

The next lines of the script must contain the following comments.

- student name
  - student number
  - course
  - either course section, or lab date and time
  - a description of the script and its' purpose
1. Prompt the user to enter marks for the following grade items.
    - Assignments (from 0 to 40)
    - Test 1 (from 0 to 15)
    - Test 2 (from 0 to 15)
    - Final Exam (from 0 - 30)
  2. It is not required to test for invalid input. Assume that all values entered are integers, and are within the requested range of values.
  3. Calculate the final grade numeric value by adding the four input values.
  4. Convert the numeric grade to a letter grade using the table below.

**Number Grade   Letter Grade**

90 - 100	A+
85 - 89	A
80 - 84	A-
77 - 79	B+
73 - 76	B
70 - 72	B-
67 - 69	C+
63 - 66	C
60 - 62	C-
57 - 59	D+
53 - 56	D
50 - 52	D-
0 - 49	F

5. Display the final numeric and final letter grades. The script output format must match the following sample output format. User input values are in red.

Enter Assignment mark (0 - 40): 25

Enter Test 1 mark (0 - 15): 8

Enter Test 2 mark (0 - 15): 10

Enter Final exam mark (0 - 30): 24

Your final numeric grade is 67, and your final letter grade is C+

6. Upload the file to BrightSpace. Do not zip the file.