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## Linux Shell Scripting I

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### Due date

End of Week 11 lab class

### Evaluation

3% of final grade.

### Submission

- Show execution of your script to your professor, or hand in or email (in email subject line: CST8102-15W lab8 submission) completed lab before due date.

### Materials

- Student laptop computer
- Ubuntu 14.04.1 installed in VMWare Workstation

### Procedure

Write the following script using your Linux virtual machine. You must use **vim** as the editor.

The first line of your script file should force the use of the **bash** shell as the command interpreter. Your script file should be properly commented.

In this assignment, you will create a script called **mygrade** that will calculate and then display letter grade of **CST8102**. Use only integers for grade calculations.

1. Get user inputs of the following grades:

Assignments 40%  
Test1 15%  
Test2 15%  
Final exam 30%

**Note:** To avoid decimal places in calculations, you may prompt the user to input an integer percentage number for each of the items listed above. You don't have to handle invalid input.

2. Calculate the number grade by adding up the four grades input by user
3. Convert the number grade to letter grade using the table below:  
(hint: use “Multilevel **if-then-else**” or **case** statement)

Number Grade	Letter Grade
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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

The screenshot below demonstrates the execution of this script file.

```
user1@localhost:~$ ./mygrade
Enter assignment mark (0 to 40): 25
Enter Test1 mark (0 to 15): 8
Enter Test2 mark (1 to 15): 10
Enter Final Exam mark (1 to 30): 24

Your final grade is C+

user1@localhost:~$
```