

# Assignment 1

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Question 1:

1. 5 and 3: the values of x and y are respectively 8 and 76
2. 7 and 4: no output
3. 5 and -1: the values of x and y are respectively 5 and 29
4. 11 and 12: no output

Question 2:

The program will run and display “Where am I? if the world ended on December 21, 2012.”

The reason it runs is when asked to enter the “if statement” loop the Boolean value is equal to 0 meaning false so this loop is skipped. Whoever the else statement loop is still operational and the block of code following is run.

Question 3:

The program will not run in its current state. In order to compile this program the first printf function contains a division with 2 int type constants, whoever the return value is a float (%f) by changing it to (%d) we can compile and run the program. Whoever dividing by two int variables we get a value of 0.

# Lab Report (question 4)

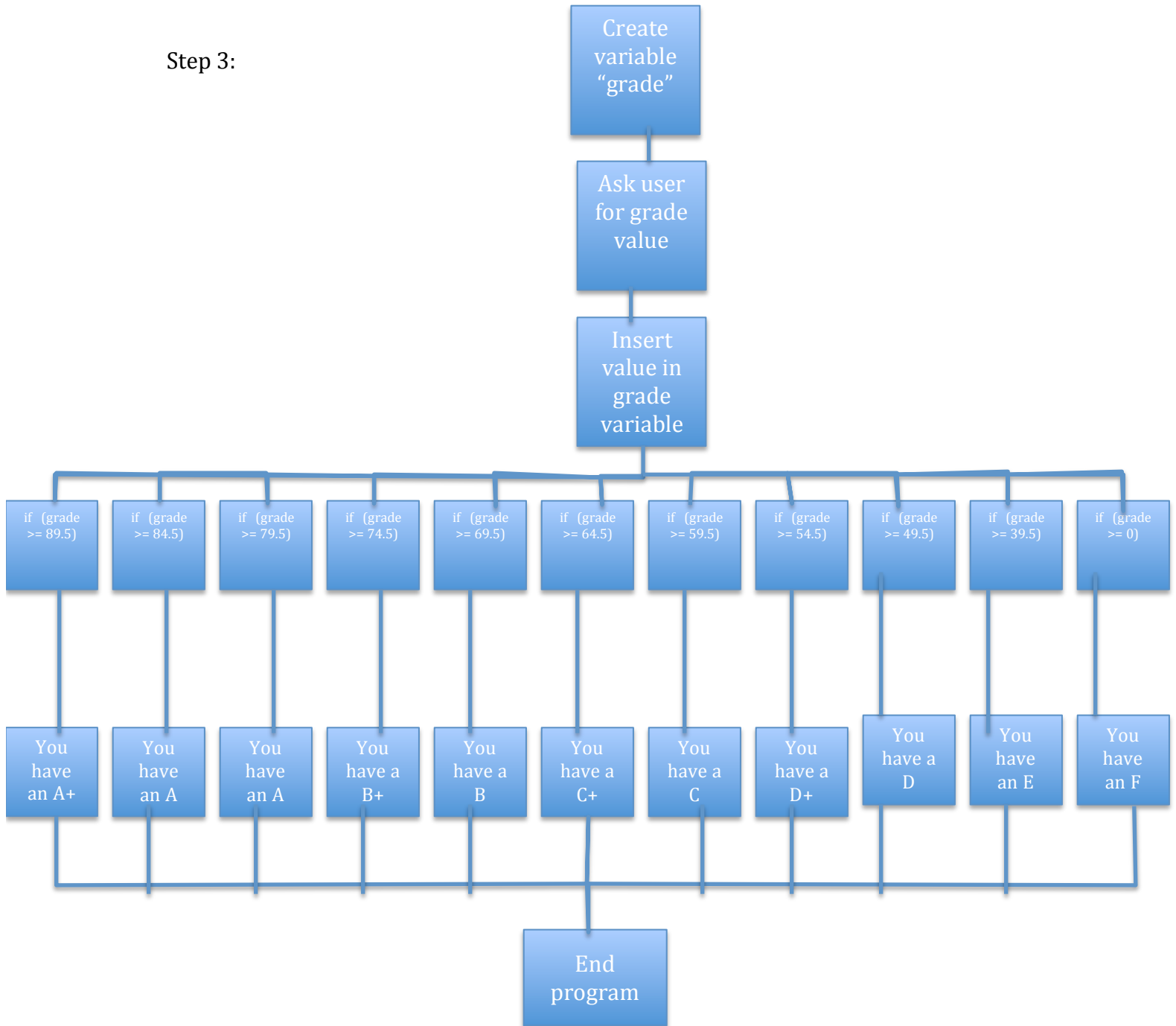
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Step 1: Receive a grade in percent form and convert the grade to letter form, using the guideline of uottawa grading system.

Step 2:



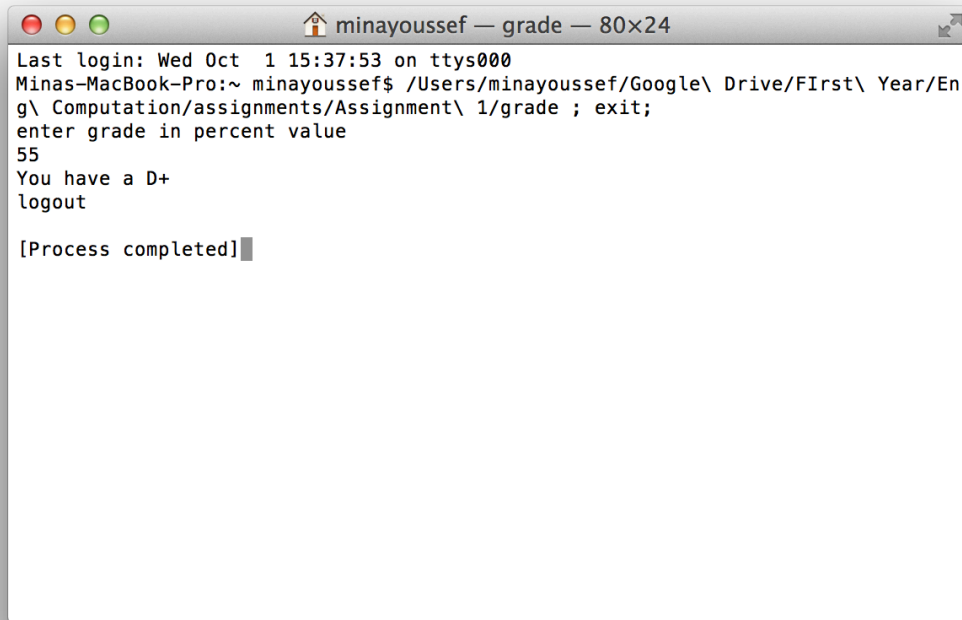
Step 3:



Step 4: (attached in file “grade code”)

Step 5:

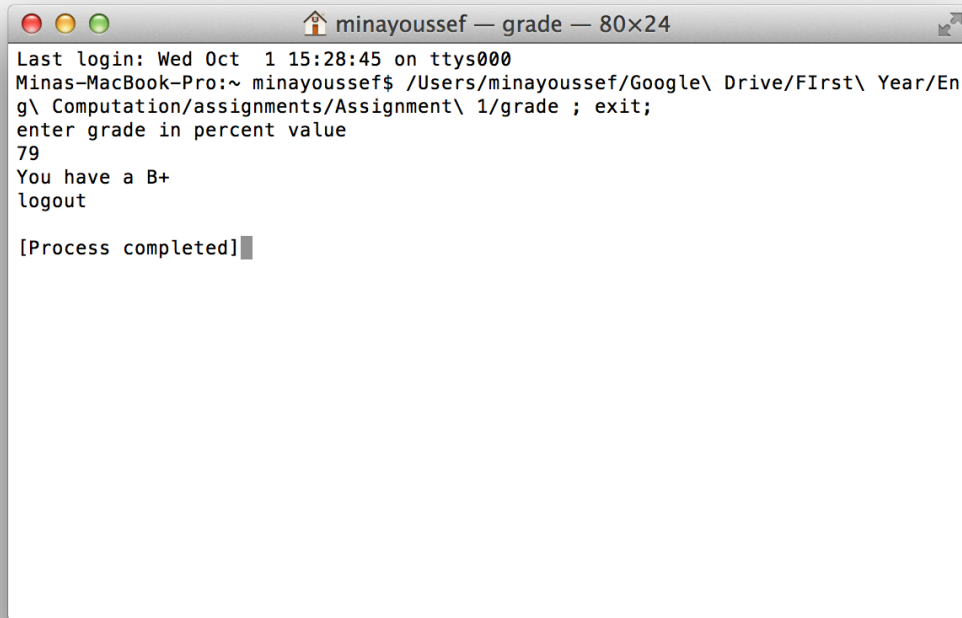
Ex 1:



```
minayoussef — grade — 80x24
Last login: Wed Oct 1 15:37:53 on ttys000
Minas-MacBook-Pro:~ minayoussef$ /Users/minayoussef/Google\ Drive/FIrst\ Year/Eng\ Computation/assignments/Assignment\ 1/grade ; exit;
enter grade in percent value
55
You have a D+
logout

[Process completed]
```

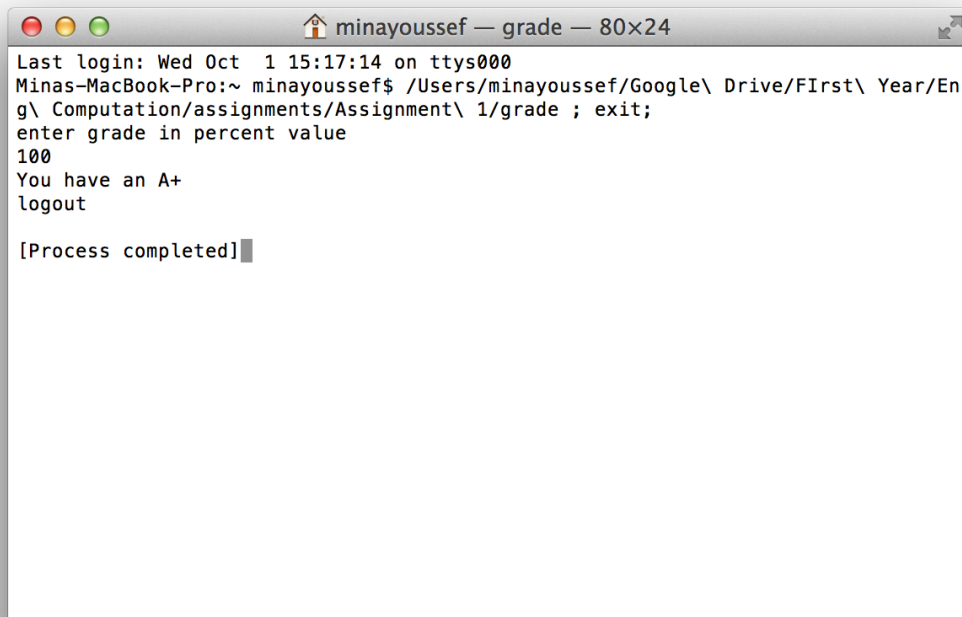
Ex 2:



```
minayoussef — grade — 80x24
Last login: Wed Oct 1 15:28:45 on ttys000
Minas-MacBook-Pro:~ minayoussef$ /Users/minayoussef/Google\ Drive/FIRST\ Year/Eng\ Computation/assignments/Assignment\ 1/grade ; exit;
enter grade in percent value
79
You have a B+
logout

[Process completed]
```

Ex 3:



```
minayoussef — grade — 80x24
Last login: Wed Oct 1 15:17:14 on ttys000
Minas-MacBook-Pro:~ minayoussef$ /Users/minayoussef/Google\ Drive/FIRST\ Year/Eng\ Computation/assignments/Assignment\ 1/grade ; exit;
enter grade in percent value
100
You have an A+
logout

[Process completed]
```