Lab Assignment 3 (Due 3/5/08)

http://www.cs.kent.edu/~asamba/cs10061/assignment.html

Answer all questions

1. Centigrade Program

Write a program to implement the following tasks:

- Ask the user if they wish to convert a temperature
  
  a. If they answer 'Y' or 'y' then:
     
     i. Prompt user for temperature in degrees Fahrenheit (F)
     ii. User input a value; convert value to Centigrade (C)
     iii. Output the temperature in degrees Centigrade
     iv. Ask the user if they wish to convert another temperature
     v. If they answer 'Y' or 'y' loop to step 1
     vi. Otherwise ("else") print "Thanks for converting. Visit again soon!"

  b. If they answer anything else: print "Maybe another day \n"

Here is a sample run for input of 60:

Do you wish to convert a temperature today? (Y or N) N
Maybe another day

Do you wish to convert a temperature today? (Y or N) Y
Enter a temperature in Fahrenheit: 60
60.0 degrees Fahrenheit equals 15.5555555556 degrees centigrade.

Do you wish to convert another temperature? (Y or N) N
Thanks for converting. Visit again soon!
Do you wish to convert a temperature today? (Y or N) Y
Enter a temperature in Fahrenheit: 60
60.0 degrees Fahrenheit equals 15.5555555556 degrees centigrade.

Do you wish to convert another temperature? (Y or N) Y
Enter a temperature in Fahrenheit: 212
212.0 degrees Fahrenheit equals 100.0000000000 degrees centigrade.

Do you wish to convert another temperature? (Y or N) N
Thanks for converting. Visit again soon!
[Hint: Use an if-else statement to handle the first question asked.
If the answer is yes then execute a while loop for steps 1-v]