**CS5900 Programming in C**

Summer 2015

**HW#1(100 pts)**

**[1]** A metric ton is 35273.92 ounces. Develop a **C program** that accepts the weight of a package of breakfast cereal (may be Honey Nut Cheerios…) in ounces and the outputs the weight in metric tons.

**[2]** Develop a program that accepts the measured distance in kilometers and output the distance expressed in miles and feet. One kilometer equals 0.62137 miles. One mile equals 5280 feet. Use constant declarations.

**[3]** Develop a C program to accept a weight of the package in pounds and ounces and output the weight expressed in kilograms and grams. One pound equals 0.453592 kilograms. Use a constant declaration.

**[4]** Develop a program to calculate the property tax. The local county levies a property tax of 1.7% based on the value of your property. Develop a C program that accepts the value of your property and computes the amount of annual tax and displays the property value as well as the tax amount.

[5] Programming **Project#3** on *page 103* of your textbook

Create a directory called HW-1 once you log-in to the UNIX system. Default is home directory. Change the directory to HW-1 and save all of your programs for the HW#1.

Instructions:

**Due date** is: Wednesday, May 20, 2015

**No late submissions**! 20% penalty per day late

Attach this cover page

Attach the printout of your .c files

*Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

Enjoy Programming!!