school of **computing, informatics,** **& decision systems engineering**

CSE 100: Fall B 2013
Arizona State University
Additional Practice Questions (10 Bonus Points) – Programming

Submit your programs online to the dropbox extra credit 1 basket

1. **[3 Bonus Points] Moon Weight Calculation:**

Your weight is actually the amount of gravitational force exerted on you by the earth. Moons gravity is one sixth (0.167) that of the earth gravity. Write a program that asks the user to enter his/her weight on the earth and display the corresponding weight on the moon.

2. **[3 Bonus Points] How many calories:**

A bag of cookies holds 40 cookies. The calorie information on the bag claims that there are 10 "servings" in the bag and that a serving equals 300 calories. Write a program that asks the user to input how many cookies that he/she ate and the report how many total calories were consumed.

3. **[4 Bonus Points] Word Game :** Write a C++ program that plays a word game with the user. The program should ask the user to enter the following

- Name
- Age
- The name of the City
- The name of the College
- A profession
- A type of an animal
- A pet's name

After user has entered these items, the program should display the following story, inserting the user's input into the appropriate locations.

There once was a person named NAME who lived in CITY. At the age of AGE, NAME went to college at COLLEGE. NAME graduated and went to work as a PROFESSION. Then, NAME adopted a(n) ANIMAL named PETNAME. They both lived happily ever after.

Hint: use appropriate date types for each variable.