Problem Set 1
CIS 111 – Spring 2017

Due Date: Must be submitted to Moodle no later than 11:59 PM on 2/21/2017.

We will discuss the details of this during your next on-campus lab session.

Write each of these as separate Python programs:

1. Create a program that asks the user to enter their name and their age. Print out a message addressed to them that tells them the year that they will turn 100 years old.
2. Create a program that asks the user for a number. Depending on whether the number is even or odd, print out an appropriate message to the user.
3. Make a two-player Rock-Paper-Scissors game. Identify each player with a prompt and let them each enter their choice (rock, paper, or scissors). Then compare the choices and print out a message of congratulations to the winner. Finally, ask if the players want to play again and accommodate their choice appropriately.
   a. Remember the rules:
      i. Rock beats scissors
      ii. Scissors beats paper
      iii. Paper beats rock
4. Create a program that generates a random number between 1 and 9 (including 1 and 9). Ask the user to guess the number, then tell them whether they guessed too low, too high, or exactly right. Keep the game going until the user types "exit" and keep track of how many guesses the user has taken, and when the game ends, print this out.

Name your files like this: **ps1_1_firstname_lastname.py**

ps1:   problem set 1
_1:   question 1
_firstname_lastname: your firstname and lastname

Zip all files together and name it: **ps1_firstname_lastname.zip** and then submit this to the Problem Set 1 submission area in Moodle before the due date/time.