CMPS 150
Spring 2017
Programming Assignment #6

Date Assigned: Tuesday, March 13, 2017
Due Date: 11:55 PM, Saturday, March 18, 2017

Objectives:
- i/o stmts, arithmetic expressions, formatted output, selection & repetition statements, file input

1) Include the following information as comments at the beginning of your source code. Name it **`pa6.py`**
BE SURE it ***lines up*** nicely as you see it below.

```
# Author:          Type-Your-Name
# CLID:            Type-Your-CLID
# Course/Section:  CMPS 150 - Section X
# Assignment:      pa6
# Date Assigned:   Tuesday, March 13, 2017
# Date/Time Due:   Saturday, March 18, 2017 -- 11:55 pm
#
# Description: Write a brief description here.
#
# Certification of Authenticity:
# I certify that this assignment is entirely my own work.
```

2) Program Description

Write a program to read data from a file named "pa6numbers.py" The data in the file must be read with five(5) reads for each sets of data. The five(5) pieces of data are the following:
- name of city/state
- total deaths for a 50 year period
- of those total deaths, the number that were from pneumonia
- of those total deaths, the number that were people of age < 1 year
- of those total deaths, the number that were people of age 65 or older

Terminate reading/processing when you read a value for total deaths that is -1.

Print out a "neat and tidy" table as seen in the sample run. Keep statistics for the city/state with the highest infant mortality rate and the lowest senior mortality rate. See sample run.

3) Sample Run

```
City/State         Pneumonia Rate   Infant Rate     Senior Rate
-------------------------------------------------------------
Boston, MA             8.0684          4.0351         60.6442
Bridgeport, CT         7.8864          2.2507         69.1467
Cambridge, MA         10.6392          0.9873         75.0078
Albany, NY             4.3943          4.0056         66.4614
Hartford, CT           5.4123          3.6367         62.7901
Lowell, MA             7.8256          1.5552         71.8713
New Haven, CT          5.9685          4.4493         63.1118
Providence, RI         6.6113          3.2140         68.0455

Maximum Infant Rate
------------------------
New Haven, CT     4.4493

Minimum Senior Rate
------------------------
Boston, MA       60.6442
```

4) *Upload to Moodle*

Get in a browser and login to Moodle.
Instead of going to the Lecture Section, go to YOUR specific submission section on the Moodle site.
Click on the link for Programming Assignment #6.

Select to "Upload a File"
Select to "Choose a File" and go about the process of browsing/finding "**`pa6.py`**" on the computer.
Select to "Upload this File"

When returned to the Upload screen, MAKE SURE to click on the "Save Changes" button.

You will be returned to the "Programming Assignment #6" screen.
This time you should see your source code file listed on it.

5. Logout of Moodle

You can turn in programs
up to 24 hours late for a maximum of 75% credit
or up to 48 hours late for a maximum of 50% credit