CISC106 – Lab 05

This lab is due 07/20/2014 at 11:55 p.m. (submission via Sakai)

- **Please do all of the following problems in ONE file named lab6.py. This is an INDIVIDUAL assignment, please do all work accordingly.**
- **Use comments to separate your program for each problem. For questions where you should write your answers, envelop them as comments.**
- **For now on we will be using the Design recipe to write functions and the assertEqual function to run our test cases. You need to provide at least 3 test cases for each new function you write, when applicable. Please keep in mind that those elements are worth at least half of the question, so you may not want to forget them!**
- **The problems are worth 90 points + 10 points for attending the lab session.**
- **You do not need to make tests for functions that use random generation (unless they are already provided, on which case you should copy them into your file).**

Problem 1: (15 points)

Download the file at http://www.eecis.udel.edu/~zengin/106/inputfile.txt and save it to the same directory with lab05.py. Write a function that gets a file name, reads the file line by line, puts each line to quotations and prints them. So if you pass "inputfile.txt" to your function as an argument, it should print the following data;

```
"This is an example file and this is line 1."
"This is line 2."
"This is line 3."
```

You do not need to write tests for this function.

Problem 2: (15 points)

Write a function that gets a list of strings and a filename and writes each string in the list to a line of file. So if parameters are ["New York", "Chicago ", "Los Angeles", "Miami"] and "newfile.txt", newfile.txt should be like below;

New York

Chicago

Los Angeles

Miami

You do not need to write tests for this function.

Problem 3: (15 points)

Write a function that gets two strings (fileName1, fileName2), reads data from fileName1 line by line and appends the data to fileName2.

You do not need to write tests for this function.

Problem 4: (10 points)

Write a function that gets two numbers as parameters (n1, n2) and returns all the numbers between n1 and n2 as string. Function uses "-" as a separator. So your function should return "9-10-11-12" if n1 is 9 and n2 is 12.

Problem 5: (10 points)

Write a function that takes two strings and swaps first and last letter of first string with the first and last letter of the second string and returns concatenation of two strings by "%". So your function should return "bencik%pool" for "pencil" and "book" input.

Problem 6: (20 points)

Problem 7: (5 points)