**Homework 8**

**Due: Sunday (see Syllabus)**

**Points: 40**

**Instructions**

Pig Latin is a pseudo-dialect of English most used by children. It usually is spoken, but occasionally is written as well. There are several variations of rules for Pig Latin. The “dialect” that we will use follows these rules:

1. If a word begins with a consonant or consonant group, move the consonants to the end of the word and add “ay.”
2. If a word begins with a vowel or vowel group, leave the vowels in place and add “yay” to the end of the word.
3. Retain all capitalization, punctuation, and spacing.

For example,

maybe -> aybemay

flood -> oodflay

strangely -> angelystray

able -> ableyay

out -> outyay

ought -> oughtyah

Ooh! This, is an angry, Grand test! So, stretch. ->

Oohyay! Isthay, isyay anyay angryyay, Andgray esttay! Osay, etchstray.

Write a fruitful function called **piglatin()** that translates a single English word into Pig Latin following those rules using regular expressions to accomplish the “work.”

Write a main driver that requests a file name from the user. It then translates the entire file into Pig Latin, displaying its results on the console.

Run your program several times using different inputs – sufficient to demonstrate that your program meets all the assignment requirements. Two of your inputs must be the files **PigText1.txt** and **PigText2.txt**. Capture a screen shot of each run and paste them into an MS Word document. Place a caption above each image.

**Submit the Python .py file (lastname\_hw8.py) containing your program and the MS Word document** **to your instructor using the appropriate Assignment Submissions link.**

Attach: ***PigText1.txt***

***PigText2.txt***

**Sample Output (from PigText1.txt and PigText2.txt):**

Text

Description automatically generated