Pig Latin Translator

6/11/2024

30/30 Points

Attempt 1

Review Feedback
6/11/2024

Attempt 1 Score: **30/30**

View Feedback

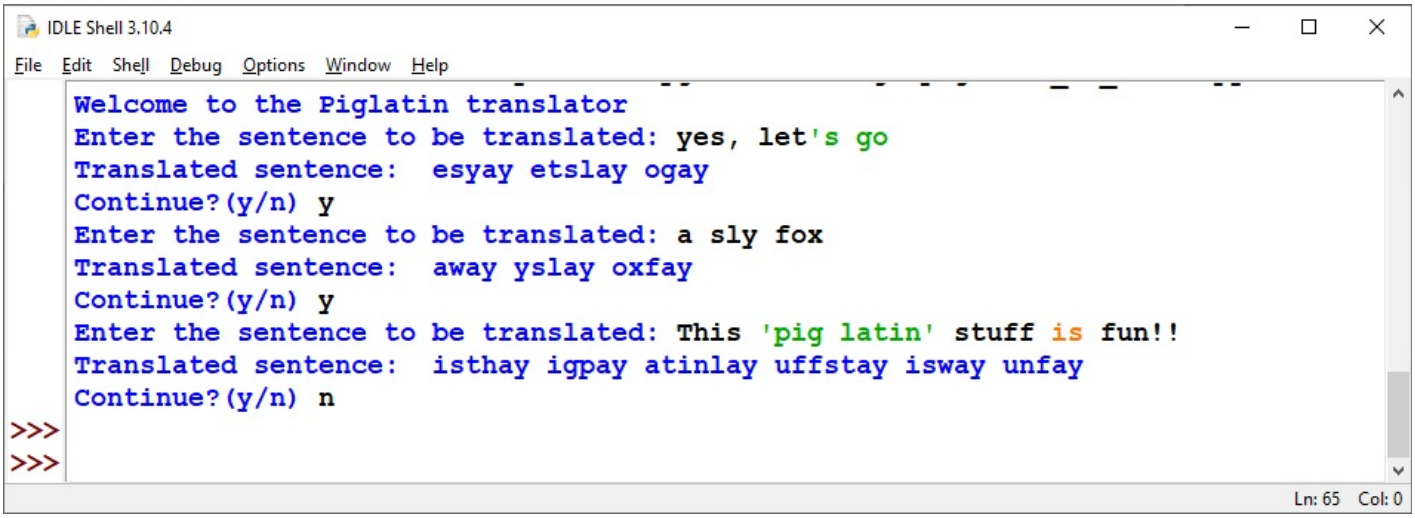
Anonymous Grading: **no**

Unlimited Attempts Allowed
6/6/2024 to 6/12/2024

Details

In this assignment, you will write a a program that translates English to Pig Latin.

Specifically, write a program that prompts the user for a sentence, prints the sentence after converting each word to its Pig Latin version. It then prompts the user whether to continue, and prompts the user again if user enters 'y', otherwise ends the program. Here's a sample run:



Here are the rules of converting the word to Pig Latin:

- English to lowercase before translating.
- Remove any punctuation characters before translating such as '?', '.', '!', '"', ','
- Assume that words are separated from each other by a single space. (Hint: You can use the split method to create a list of words and use a for loop to process the list)
- If the word starts with a vowel, just add 'way' to the end of the word. e.g. 'on' is converted to 'onway'
- If the word starts with a consonant, move all of the consonants that appear before the first vowel to the end of the word, then add 'ay' to the end of the word. e.g. 'hot' is converted to 'othay'' and 'strong' is converted to 'ongstray'
- If a word starts with the letter y, the y should be treated as a consonant. e.g. 'yes' is converted to 'esyay'
- If the y appears anywhere else in the word, it should be treated as a vowel. e.g. 'sly' is converted to 'yslay'

  Note:
  There are no official rules for Pig Latin. Most people agree on how words that begin with consonants are translated, but there are many different ways to handle words that begin with vowels.

Save your program in a file with a name of the form: first_last_piglatin.py. Make sure to add a block-comment at the start of the file that lists assignment title, class name, date, your name, and assignment description.

View Rubric

Pig Latin Translator (1)

Criteria	Ratings	Pts
Welcome Message shown		/ 2 pts
User prompted for one input sentence correctly		/ 2 pts
a list of words created correctly		/ 2 pts
input words converted to lower case		/ 1 pts
Punctuations removed correctly		/ 3 pts
Pig Latin rules applied correctly to translate each word		/ 6 pts
Translated words appear correctly in the output		/ 2 pts
Letter y handled correctly		/ 3 pts
while loop added correctly to prompt the user for whether to continue		/ 3 pts
Well-written code with useful comments		/ 6 pts
		Total Points: 0

```
# Assignment: Pig Latin Translator (Assignment 9)
# Class: DEV 108
# Date: 06-10-2024
# Author: Leah Nicholson
# Description: Program which allows a User to translate English to


def welcome():
    '''Displays welcome and program title.'''
    print()
    print("Welcome to the Pig Latin Translator")


def clean_text(english_sentence):
    '''Converts to lowercase, splits string into list of strings, a
punctuation.'''

    # convert to all lowercase
    english_sentence = english_sentence.lower()

    # split string into a list of strings
    english_sentence_list = english_sentence.split()   # default de
space

    # search the string for punctuation and remove it
    punctuation_list = ['?', '.', '!', '"', ',', "'", ':', '\\', '/
'—', '[', ']', '(', ')', '...']
    cleaned_list = []

    for word in english_sentence_list:      # for each of the words
words

         for items in punctuation_list:     # for each of the items
punctuation_list

             if items in word:              # if the items in punct
in the word from our list of words
                 word = word.replace(items, '')        # replace th
punctuation (items) with nothing
```

Previous
(https://bc.instructure.com/courses/2444521/modules/items/82624513)

Next
(https://bc.instructure.com/courses/2444521/modules/items/82624523)