

University of Massachusetts Dartmouth
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ECE 160

name: piglat.cpp

Project extra (Pig Latin, up to 100 extra pts) Due: see <http://ece160.org>

Write a program which prompts the user to enter a phrase. The entered phrase should be converted to pig Latin. The user should then be prompted to enter another phrase, which should also be translated to pig Latin. This should continue until the user just presses "enter" (an empty string). There are several variations on rules for pig Latin. For the purposes of this project, the spec is as follows:

A word which begins with a vowel:

The word followed by "way"

Examples:

it → itway

ethernet → ethernetway

aardvark → aardvarkway

A word which begins with a consonant, and contains at least one vowel:

1. The word starting at the first vowel to the end of the word

2. The beginning of the word up to but not including the first vowel

3. The letters "ay"

Examples:

say → aysay

trash → ashtray

sprite soda → itespray odasay

A word which begins with a consonant, and does NOT contain any vowels:

The word followed by "ay"

Examples:

tv → tvay

nth → nthay

psst → psstay

Punctuation and spaces should just be made part of the pig Latin without any changes.

You do not need to worry about words with apostrophes (don't, can't, etc).

Vowels are defined as "a", "e", "i", "o", "u", and "y". Lastly, your program should handle both upper and lower case characters. The case of the "way" or "ay" does not need to match the case of the word.

An example is available at M:\ECE-160\public\PigLatin.exe