

```
1 # -*- coding: utf-8 -*-
2 from nltk.corpus import cmudict
3 import re
4
5
6 def numberSyllables(word):
7     try:
8         slist = cmudict.dict()[word]
9         for i in slist:
10             vowels = list('AIEUOY')
11             SyllNum = 0
12             for f in i:
13                 if f[0] in vowels and len(f)>1:
14                     SyllNum+=1
15             return word + ": " + str(SyllNum)
16     except KeyError:
17         print("The word you entered isn't found in CMUDICT")
18
19
20 def writtenMethod(word):
21     pattern = re.compile(r'[aeiou]{2,3}')
22     SyllNum = 0
23     for letter in word:
24         vowels = ['a','e','i','o','u','y']
25         if letter in vowels:
26             SyllNum+=1
27     if word.endswith("e"):
28         SyllNum-=1
29     if pattern.search(word) != None:
30         SyllNum-=1
31     if word.endswith("le") and word[-3] not in vowels or word.endswith("les") and word[-4] not in vowels:
32         SyllNum+=1
33     return(word + ": " + str(SyllNum))
34
```