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1 # Python Classes: Write a python class to reverse a sentence (initialized via constructor) word
2 # by word. Example: "I am here" should be reversed as "here am I". Create instances of this
3 # class for each of the three strings input by the user and display the reversed string for each, in
4 # descending order of number of vowels in the string.
5
6 #define class Reverse
7 class Reverse:
8     string=""
9     def __init__(self,string):
10         self.string=" ".join(reversed(string.split()))
11
12
13 print("Enter 3 strings")
14 objArr=[]
15 countVowels = [0, 0, 0]
16 dict = {}
17 for i in range(3):
18     objArr.append(Reverse(input()))
19     for j in range(len(objArr[i].string)):
20         #Counting the vowels
21         if objArr[i].string[j].lower() in ['a', 'e', 'i', 'o', 'u']:
22             countVowels[i] += 1
23         #Add to Dictionary
24         dict.update({objArr[i].string:countVowels[i]})
25 print("Sorted in descending order of vowels in each")
26 #Print in sorted order of number of vowels from dictionary
27 print(*sorted(dict.items(),key=lambda x:x[1],reverse=True),sep="\n")
28
```