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## Assignment No. 1

### PIG Latin Translator

#### PIG Latin Translator:

A Pig Latin is an encrypted word in English, which is generated by doing following alterations:

The first vowel occurring in the input word is placed at the start of the new word along with the remaining alphabets of it. The alphabets present before the first vowel are shifted at the end of the new word followed by "ay".

#### Added Rules :

1. if initial letter is 'c', replace with 'k'
2. if initial letter is 'ch', replace with 'sh'
3. if initial letter is 'sh', replace with 'ch'
4. if initial letter is 'th', replace with 'z'

#### CODE:

```
vowels = ('a', 'e', 'i', 'o', 'u')
word = []

def pigLatin(l):
    for i, j in enumerate(l):
        if j[0].lower() in vowels:    #if initial letter is vowel,
            end with 'yay'
            j += 'yay'
            l[i] = j

        elif j[1].lower() in vowels:  #if 2nd letter is vowel, shift
            1st letter to the end and append 'ay'
            j += j[0] + 'ay'
            j = j.replace(j[0], '', 1)
```

```

        l[i] = j

    elif 'sh' in j.lower():
        j = j.replace('Sh', 'Ch')
        j = j.replace('sh', 'ch')
        l[i] = j

    elif 'th' in j.lower():
        j = j.replace('th', 'z')
        j = j.replace('Th', 'Z')
        l[i] = j

    elif 'ch' in j.lower():
        j = j.replace('Ch', 'sh')
        j = j.replace('ch', 'sh')
        l[i] = j

    elif j[0].lower() == 'c':      #if initial letter is 'c',
replace with 'k'
        j = j.replace(j[0], 'k', 1)
        l[i] = j

    return(l)

def stringSplitter(s):
    global word
    w = ''
    for i in s:
        if i == " ":
            word.append(w)

```

```

        w = ''
        continue
    w += i

s = input("Enter string          : ")
stringSplitter(s)
word = pigLatin(word)
print("\nTranslated to Pig-Latin : ", end='')
for i in word:
    print(i, end = ' ')

```

## OUTPUT:

```

===== RESTART: C:\Users\shawn\Desktop\Assignments\
Enter string          : Shawn is a cute boy

Translated to Pig-Latin : Chawn isyay ayay kute oybay
>>> |

```

```

===== RESTART: C:\Users\shawn\Desktop\Assignments\
Enter string          : Cheap shoes in Mumbai

Translated to Pig-Latin : sheap choes inyay umbaiMay
>>>

```

```

===== RESTART: C:\Users\shawn\Desktop\Assignments\
Enter string          : Python is fun to learn

Translated to Pig-Latin : Pyzon isyay unfay otay earnlay
>>> |

```