## [EXERCISE]: List's Methods & WordCount

2017年底,上映的一部好萊塢歌舞片 "The Greatest Showman (中譯:大娛樂家)",有一首動聽的電影插曲:"Never Enough" (<a href="https://goo.gl/bG8M5V">https://goo.gl/bG8M5V</a>)一 其**部份歌詞**以 Python 列表 (list) 資料型別物件 **lyric**,列出如下:

```
lyric = ["I'm trying to hold my breath",
"Let it stay this way",
"Can't let this moment end",
"You set off a dream with me",
"Getting louder now",
"Can you hear it echoing?",
"Take my hand",
"Will you share this with me?",
"'Cause darling without you",
"All the shine of a thousand spotlights",
"All the stars we steal from the nightsky",
"Will never be enough",
"Never be enough",
"Towers of gold are still too little",
"These hands could hold the world but it'll",
"Never be enough", "For me",
"Never, never", "Never, for me",
"Never enough", "For me"]
```

(1) **List's Methods**:請寫一個 Python 函式 (function) — "neverEnough",利用上列 **lyric** 物件中的字串元素,輸出成原本的電影插曲格式如下:

[NOTE]:請注意最後幾行歌詞的重複部份!

----- << Never Enough >> ------

I'm trying to hold my breath

Let it stay this way

Can't let this moment end

You set off a dream with me

Getting louder now

Can you hear it echoing?

Take my hand

Will you share this with me?

'Cause darling without you

All the shine of a thousand spotlights

All the stars we steal from the nightsky

Will never be enough

Never be enough

Towers of gold are still too little

These hands could hold the world but it'll

Never be enough

Never be enough

For me

Never, never

Never, never

Never, for me

Never enough

Never enough

Never enough

For me

For me

For me

For me

(2) **WordCount**:請依據上列輸出的完整歌詞進行斷字,計算<u>每個單字</u>各別出現次數,並排序輸出其結果(參考[提示])。注意:輸出結果必須對齊!

## 其中,"單字"的定義如下:

- A. 大、小寫開始的單字需分開計算次數,例如 Never 和 never 算兩個單字。
- B. 單字是以空白 (whitespace) 進行分割。
- C. 每個單字結尾若有緊隨的標點符號,例如:問號(?)、逗號(,)、... 須移除。

## [提示]:輸出的部分結果如下:(注意:輸出結果必須對齊!)

'Cause	1
All	2
Can	1
Can't	1
For	5
Getting	1
I'm	1
Let	1
Never	9
Take	1

## (中間省略輸出結果)

... ... ...

still 1 the 4 this 3 thousand 1 1 to 1 too 1 trying 1 way 1 we with 2 1 without world 1 3 you