1. 設計一個程式，可以記錄英文歌詞(song)所有單字及每個單字的出現次數，這裡可以用單字當作字典的鍵(key)，用值(value)當作該單字出現的次數，最後印出該字典。

(Hint: 1. 用字串中replace function 將標點符號(.,?)取代為空白, 2. 再用 )

song="""Hold my hand, everything will be okay,

I heard from the heavens that clouds have been grey,

Pull me close, wrap me in your aching arms,

I see that you're hurtin', why'd you take so long,

To tell me you need me? I see that you're bleeding,

You don't need to show me again,

But if you decide to, I'll ride in this life with you,

I won't let go 'til the end,

So cry tonight,

But don't you let go of my hand,

You can cry every last tear,

I won't leave 'til I understand,

Promise me, just hold my hand

Raise your head, look into my wishful eyes,

That fear that's inside you will lift, give it time,

I can see everything you're blind to now,

Your prayers will be answered, let God whisper how,

To tell me you need me, I see that you're bleeding,

You don't need to show me again,

But if you decide to, I'll ride in this life with you,

I won't let go 'til the end,

So cry tonight,

But don't you let go of my hand,

You can cry every last tear,

I won't leave 'til I understand,

Promise you'll just hold my hand,

Hold my hand, hold my,

Hold my hand, my hand,

I'll be right here, hold my hand,

Hold my hand, hold my,

Hold my hand, my hand,

I'll be right here, hold my hand,

I know you're scared and your pain is imperfect,

But don't you give up on yourself,

I've heard a story, a girl, she once told me,

That I would be happy again,

Hold my hand,

Hold my hand,

Hold my hand, hold my hand,

Hold my hand, hold my hand,

Hold my hand,

I heard from the heavens."""

1. [Reverse Words in a String]

Given an input string s, reverse the order of the words. A word is defined as a sequence of non-space characters. The words in s will be separated by at least one space. Return a string of the words in reverse order concatenated by a single place. Note that s may contain leading or trailing spaces or multiple spaces between two words. The returned string should only have a single space separating the words. Do not include any extra spaces.

Example 1:

Input: s=”the sky is blue”

Output: “blue is sky the”

Example 2:

Input: s=“ hello world “

Output: “world hello”

[Explanation: Your reversed string should not contain leading or trailing spaces.]

Example 3:

Input: s=”a good example”

Output: “example good a”

[Explanation: You need to reduce multiple spaces between two words to a single space in the reversed string.]

1. [Find the difference]

You are given two strings s and t. String t is generated by random shuffling string s and then add one more letter at a random position.

Return the letter that was added to t.

Example 1:

Input: s=’abcd’, t=’abcde’

Output: “e”

Example 2:

Input s=””, t=”y”

Output: “y”