Question 1

Write a python script to count the number of occurrences of any two vowels in succession in a word/sentence. For example, in the word "**Please**" such occurrences are: **ea**, **ae**, **ui**.

Question 2

A number x (any number) can be determined to be a prime number by a method called trial division. Check if x can be divided by 2, 3, 4 . . . sqrt(x). If it can be divided then it is not a prime number otherwise it is.

  For example: To check if 29 is a prime number, take the square root of 29 and round it to the nearest integer, i.e., 5.3852 would be 6. Now check if the number 29 is divisible by 2, 3, 4, 5 or 6. As it cannot be divided by any of these numbers it is a prime number. Your script should exit the loop as soon as it finds the first divisor.

Question 3

Write a script that takes a word/sentence as an Input and Display:

1. All the characters of the word/sentence.

2. Total Number of characters in the word/sentence.

3. All the vowels in the word/sentence.

4. Total number of vowels in the word/sentence.