Assignment 3

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## Q1 : Write a function that finds a prime number(s) given a set of numbers. Your function also provides prime factors of non-prime numbers. The function you will write should return the prime number(s) given in this vector and the non-prime number(s) with their prime factors.

## Prime numbers: 89 107   
## Non-prime numbers: 597 [ 3 199 ] 931 [ 7 7 19 ] 1083 [ 3 19 19 ]

## Q2 : Write a function that finds the letter numbers of all words in a given text and sorts the text according to those numbers from words with few letters to words with many letters. Sort the words containing the same number of letters alphabetically.

| x |
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| a as he in of of and and and car cop pup saw the the the the the the the the the the was both flat home horn life lost mark they tire tube went woke after birth blown dance death leash lives shape storm their feline jerked limits raging useless sleeping straight |