Is anagram()

16 July 2024   14:35

Q. Given a list of words, check if all the words are anagrams. Assume words are lowercase.

Two words are anagrams of each other if each word can be obtained by rearranging the letters in the
other word.

logic → Code

listen & Silent

① no of letters = no of letters

② Comparing each letter

③ Same letters with Same
   freq as used

loop

→ explore logic

① L = [a, b, c, d]   ← words
   → Seprately → Sort → ascending

② ref = L[0] → Sorted → Sort

③ Counter = True

④ (loop → list[ ] → index)
   → Sort[i] → Anagram
   word
   → ref != listsorted[i]
      → C = False
   → break

if else
   → T
   → F

Count_hostile_pairs()

Given a list of integers, find the number of *hostile_pairs* in the given list.   ← Input → [ ] = L

Two positive integers are called hostile if they have no common digits.   Calc → hostile-pairs

→ [12 , 13, 456]

① 2 ① 3 → not

① 2, 456 → accept

13, 456 → accept

↳ no common

Logic

↳ Str(12) → "12" → S[0] = 1
                                    S[1] = 2

↳ (Set → (1, 2), (1, 3), (4, 5, 6)   } not
                                                     False

intersection → ① → no intersection
↳ Count = 0   Count = Count + 1

return, Print ↵