## Group Anagrams

For this problem we need to grow words that are anagrams of each other

Key Idea:

Two strings are anagrams if they have the same charecter counts. Common opproaches:

1. Port characters in each string -> use as by.

1. Use character frequency (26-length vector)—uxes bey.

[Approach 1: Forting Key: ] Algerethm:

· For each string:

1. Sort the characters - forms a cononical key

2. Place string in a hash may grouped by this key,

· Return grouped values.

Approach: Frequency Esunt Key (Stimered):

Example: "eat" -> 1#0#0# . #1#\_#1 (for a, e, t)
· Avoid sorting (O(k log k)) -> O(k) per string.

Complexity:

Approach 1: Time: O(N+Klogk) (K= max wad length)

Spece: D(N\*K)

Aprioach Z; · Time: D(WEK)

· foce; D(N\*26)