Question: https://leetcode.com/problems/group-anagrams/

So what is an anagram? Anagrams are strings composed of same characters.

So what we do is we maintain a hashmap, where key is the string of characters composing that string sorted in lexographic order.

So every time we encounter a string we check whether the key of that string exists or not. If exists then we add the string to the list of the key.

Code:  
class Solution {

public List<List<String>> groupAnagrams(String[] strs) {

List<List<String>> res = new ArrayList<>();

HashMap<String, List<String>> mem = new HashMap<>();

for(String s: strs){

List<String> val = new ArrayList<>();

char[] arr = s.toCharArray();

Arrays.sort(arr);

String key=new String(arr);

if(mem.containsKey(key)){

val.addAll(mem.get(key));

}

val.add(s);

mem.put(key, val);

}

for(Map.Entry<String, List<String>> el : mem.entrySet()){

res.add(el.getValue());

}

return res;

}

}

Github Link :<https://lnkd.in/ecwtJeaz>