

Words - K Length Words - 2

1. You are given a word (may have one character repeat more than once).
2. You are given an integer k.
3. You are required to generate and print all k length words (of distinct chars) by using chars of the word.

Note -> Use the code snippet and follow the algorithm discussed in question video. The judge can't force you but the intention is to teach a concept. Play in spirit of the question.

aabbbccdde

2

['ab', 'ad', 'ac', 'ae', 'ba', 'da', 'ca', 'ea', 'bd', 'bc', 'be', 'db', 'cb', 'eb', 'dc', 'de', 'cd', 'ed', 'ce', 'ec']

```
def wordsKLengthII(s, k):
    s = ''.join(list(set(s)))
    n = len(s)
    ans = []
    spots = set()
    helper(s, k, ans, spots, '')
    return ans

def helper(s, k, ans, spots, ssf):
    if len(ssf) == k:
        ans.append(ssf)
        return
    for i in range(len(s)):
        ch = s[i]
        if ch not in spots:
            spots.add(ch)
            helper(s, k, ans, spots, ssf+ch)
            spots.remove(ch)

print(wordsKLengthI('abcabc', 2))
```