

Permutations - Words - 2

```
def permuteWordII(s):
    lastOccurance = {}
    spots = [None]*len(s)
    for el in s:
        if el not in lastOccurance:
            lastOccurance[el]=-1

    ans = []
    helper(s,ans,0,lastOccurance,spots)
    return ans

def helper(s,ans,cc,lastOccurance,spots):
    if cc>=len(s):
        temp = ''.join(spots)
        ans.append(temp)
        return
    ch = s[cc]
    lo = lastOccurance[ch]

    for i in range(lo+1,len(s)):
        if spots[i]==None:
            spots[i]=ch
            lastOccurance[ch]=i
            helper(s,ans,cc+1,lastOccurance,spots)
            lastOccurance[ch]=lo
            spots[i]=None

print(permuteWordII('aab'))
```