

Top K Frequent Words

```
1 # Time : O(n) + O(nlogK) + O(klogK) + O(k)
2 # Space : O(n)
3 import heapq
4 class Solution(object):
5     def topKFrequent(self, words, k):
6         """
7         input: string[] words, int k
8         return: string[]
9         """
10        # write your solution here
11        hash = {}
12        for word in words:
13            if word not in hash:
14                hash[word] = 1
15            else:
16                hash[word] += 1
17
18        heap = []
19        for n, f in hash.items():
20            heapq.heappush(heap, (f, n))
21            if len(heap) > k:
22                heapq.heappop(heap)
23
24        result = []
25        while len(heap) != 0:
26            result.append(heapq.heappop()[1])
27        result.reverse()
28        return result
```