

Top K Frequent Words

Given a list of words and an integer k, return the top k frequent words in the list.

Given

```
[
    "yes", "lint", "code",
    "yes", "code", "baby",
    "you", "baby", "chrome",
    "safari", "lint", "code",
    "body", "lint", "code"
]
```

for k = 3, return ["code", "lint", "baby"] .

for k = 4, return ["code", "lint", "baby", "yes"] ,

class Solution:

@param {string[]} words a list of string

@param {int} k an integer

@return {string[]} a list of string

def topKFrequentWords(self, words, k):

Write your code here

dict = {}

for word **in** words:

if word **not in** dict:

 dict[word] = 1

else:

 dict[word] += 1

p = []

for key, value **in** dict.items():

 p.append((value, key))

p.sort(cmp = self.cmp)

result = []

for i **in** xrange(k):

 result.append(p[i][1])

return result

def cmp(self, a, b):

if a[0] > b[0] **or** a[0] == b[0] **and** a[1] < b[1]:

return -1

elif a[0] == b[0] **and** a[1] == b[1]:

return 0

```
else:  
    return 1
```