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## Chatgpt python code

```
import heapq
from collections import Counter
def topKFrequent(nums, k):
    # Step 1: Count the frequency of each element
    counts = Counter(nums)
    # Step 2: Build a min-heap of size k
    heap = []
    for num, count in counts.items():
        heapq.heappush(heap, (count, num))
        if len(heap) > k:
            heapq.heappop(heap)
    # Step 3: Retrieve the top k frequent elements from the heap
    top_k = []
    while heap:
        top_k.append(heapq.heappop(heap)[1])
    return top_k[::-1]
nums = [1, 1, 1, 2, 2, 3]
k = 2
output = topKFrequent(nums, k)
print(output)
```

## Tests case

