Problem # 350 : Intersection of Two Arrays II

<https://leetcode.com/problems/intersection-of-two-arrays-ii/>

My Solution:

<https://leetcode.com/problems/intersection-of-two-arrays-ii/discuss/833767/Simple-Python-3-Solution-using-Counter-from-Collections-runtime-beats-90.22>

1. Create a dictionary for each list -- dict1 for nums1 and dict2 for nums2. These dictionaries have key as the number in the array and value as the number of occurrence of the number in the array.
2. For each key in dict1.keys(), check if the key is present in dict2.keys.
3. If so, add the minimum value of the key in both dictionaries to the result list.

from collections import Counter

class Solution:

def intersect(self, nums1: List[int], nums2: List[int]) -> List[int]:

dict1 = Counter(nums1)

dict2 = Counter(nums2)

result = []

for key in dict1.keys():

if key in dict2.keys():

result += [key] \* min(dict1[key], dict2[key])

return(result)

```