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6. Given two integer arrays nums 1 and nums 2,
return an array of their intersection. Each
element in the result must appear as many
times as it shows in both arrays and you may
return the result in any order.
Program:
def intersect(nums1, nums2):
  count dict={}
  for num in nums1:
    count_dict[num] = count_dict.get(num, 0) +
1
  intersection = []
  for num in nums2:
    if num in count dict and count dict[num] >
0:
       intersection.append(num)
       count dict[num] -= 1
  return intersection
nums1 = [1, 2, 2, 1]
nums2 = [9, 2, 9, 8]
print(intersect(nums1, nums2))
Output:
Process finished with exit code (
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Time complexity:O(n1+n2)