**PRACTICAL-3**

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| Que-3: | Find captain Room Number  Mr. Anant Asankhya is the manager at the I NFI NI TE hot el. The hotel has an infinite a mount of  rooms.  One fi ne day, a finite number of tourists come t o stay at the hot el.  The tourists consist of:  → A Captain.  → An unknown group of families consisting K of members per group where K ≠ 1.  The Captain was given a separate room, and t he rest were given one room per group. Mr. Anant  has an unordered list of rando ml y arranged room entries. The list consists of the room numbers for  all of the tourists. The room numbers will appear K times per group except for the Capt ai n' s room.  Mr. Anant needs you t o help hi m find t he Captain' s room number. The total number of tourists or  the total number of groups of families is not known t o you. You only know the value of K and t he  room number list.  Input For mat  The first line consists of an integer, K, the size of each group.  The second line contains the unordered elements of the room number list.  Constraints: 1< K<1000  Out put For mat: Out put the Capt ai n' s room number.  Sample Input  5  1 2 3 6 5 4 4 2 5 3 6 1 6 5 3 2 4 1 2 5 1 4 3 6 8 4 3 1 5 6 2  Sample Out put  8 |
| Code: | K = int(input())  room\_no = (int(x) for x in input().split(' '))  scanned = {}  for i in room\_no:  if not i in scanned:  scanned[i] = 1  else:  scanned[i]+=1  for key, val in scanned.items():  if val != K:  print(key) |
| Output: |  |