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**Faculty of Technology and Engineering**

**U & P U. Patel Department of Computer Engineering**

Date: 02 /02/ 2022

**Practical List**

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| --- | --- | --- | --- | --- | --- |
| Academic Year | : | 2021-22 | Semester | : | 4 |
| Course code | : | CE259 | Course name | : | Programming in Python |

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| **Pr. No.** | **Aim** |
| 3. | Find Captain 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 Output**  8  **Explanation:** The list of room numbers contains 31 elements. Since K is 5, there must be 6 groups of families. In the given list, all of the numbers repeat 5 times except for room number 8.  Hence, 8 is the Captain's room number. |
| src | K = int(input("Enter K: "))  rooms = [room for room in input().split()]  rooms = list(map(int,rooms))  for x in rooms:  if rooms.count(x) == 1:  print("Captain's room: ", x)  break  elif rooms.count(x) != K:  print("Error in input!!! {i}:{c}".format(i=x,c=rooms.count(x)))  break |
| o/p |  |

Thank You.