



CHARUSAT
CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY



Faculty of Technology and Engineering

U & P U. Patel Department of Computer Engineering

Date: 02 /02/ 2022

Practical List

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

Pr. No.	Aim
3.	<p>Find Captain Room Number</p> <p>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</p> <p>Sample Output 8</p> <p>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.</p>
src	<pre>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</pre>
o/p	<p>Enter K: 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 Captain's room: 8</p> <p>Enter K: 5 4 5 5 4 5 4 5 9 5 4 5 4 Error in input!!! 5:6</p>

Thank You.