

PRACTICAL 3

AIM:

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

CODE:

```
k = int(input())
rooms = list(map(int, input().split()))
a = set()
b = set()
for room in rooms:
    if room not in a:
        a.add(room)
        b.add(room)
    else:
        b.discard(room)
b = list(b)
print(b[0])
```

OUTPUT:

```
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
8
```