

CSE220 Lab Sec-02
Data Structures Lab
QUIZ 03(Extended)

1. Implement musical pillow passing of 20 people using circular array. The starting index of the circular array is 10 which is considered as the ID of the person.

Hints:

- Create a circular array which starts from index 10. That is the person at index 10 will be with ID 1.
- Initialize the array with the IDs.
- Now for each turn generate a random number using ***math.rand()***. This indicates the movement of the pillow. So right shift the array that many times.
- After the shifting person who is at index 10 will be eliminated. For this remove that element using left shift.
- Repeat the process until only one person remains.
- Print the id of the last person remaining as the ***champion***.