

# Problem #2: Circular Queue

- In the lecture, we found how the **added\_elements** variable makes our code **easier to code and understand**
  - It's easier to detect empty/full queues.  
Recall how rear=front can be for both full and empty queues
  - Printing the queue is easy
- To realize the effect of your **design choices**, develop the code without **added\_elements**
  - You need to make a simple and critical decision to help figure out empty/full cases
  - Make the necessary changes for the remainder of the code
- Testing
  - Use the **exact main() body** from the lecture code. Don't change it