















Creating and Initializing a Circular Queue **Declaration** #define MAX_Q_SIZE 100 **Create and Initialize** typedef struct { int key; /* just an example, can have any type of fields depending queue Q; on what is to be stored */ Q.front = 0;} element; Q.rear = 0;typedef struct { element list[MAX_Q_SIZE]; int front, rear; } queue;



Practice Problems

- Implement the Queue as a linked list.
- Implement a Priority Queue which maintains the items in an order (ascending/ descending) and has additional functions like remove_max and remove_min
- Maintain a Doctor's appointment list

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