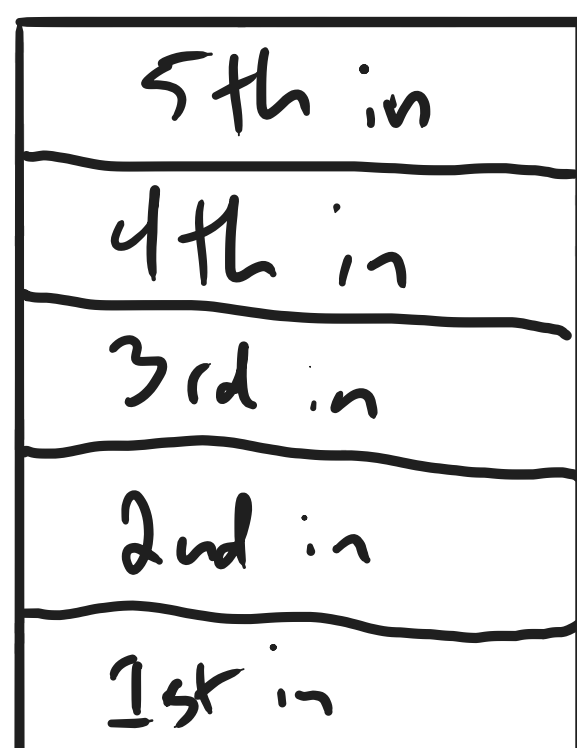


# STACK vs. QUEUE vs. DEQUEUE

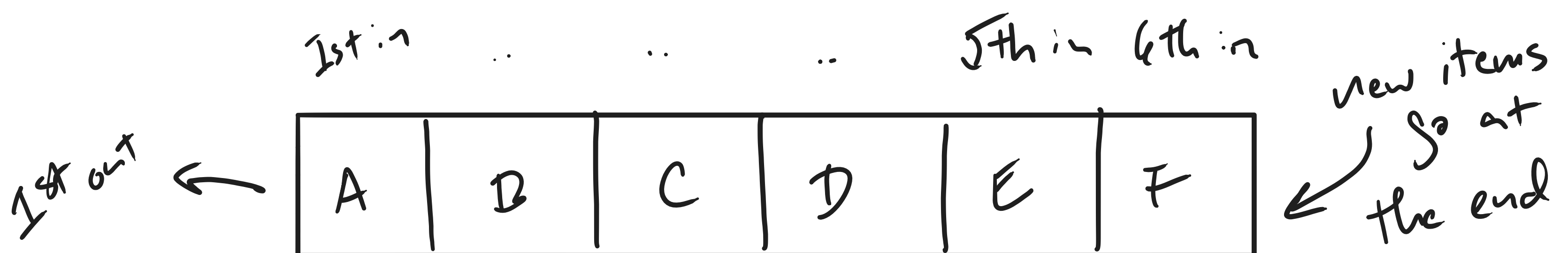
STACK - LIFO = last in, first out

Java does have  
a Stack object we  
can use, BUT it is  
now recommended to  
use Deque



I take the one on the  
top, even though  
I put it in last

QUEUE - FIFO = first in, first out

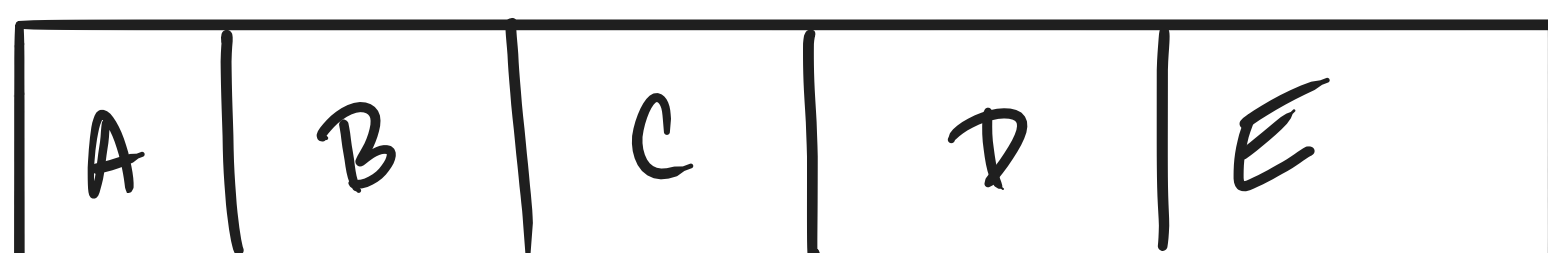


Queue is NOT an object in Java, it is an interface  
which is implemented by structures like Linked List

DEQUEUE (Deque or double-ended queue)

- ↳ a queue that can be accessed in both directions
- ↳ has the functionality of a queue forward/backward
- ↳ basically ALSO has the functionality of a Stack

Can add/remove  
here



Can add/  
(remove  
here

Like Queue, Deque is an interface and NOT a class  
(LinkedList implements this, too)