

MAKE school

STACKS AND QUEUES

Stacks on stacks on queues



QUEUE

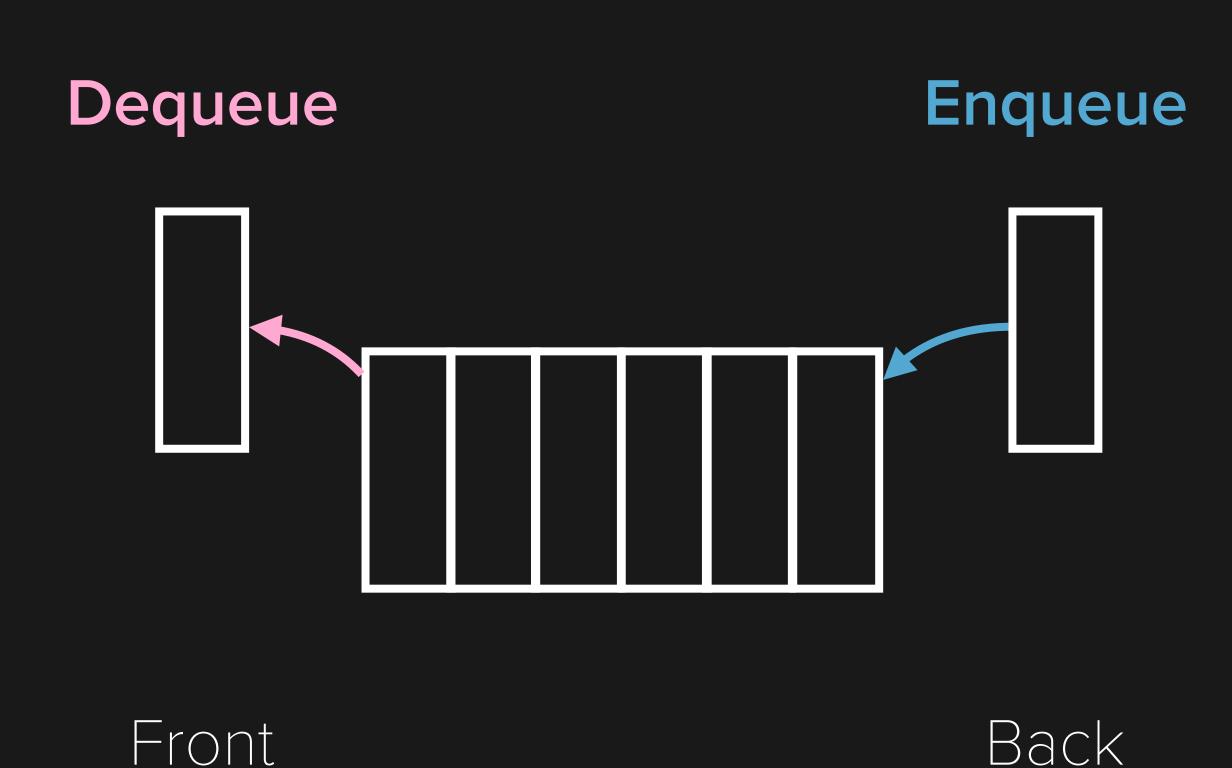
Operations

enqueue - add an object to the back

dequeue - remove and return the object from the front

front - look at the object at the front

FIFO - first in, first out





QUEUE

Space O(n)

Enqueue O(1)

Dequeue O(1)

Front O(1)



STACK

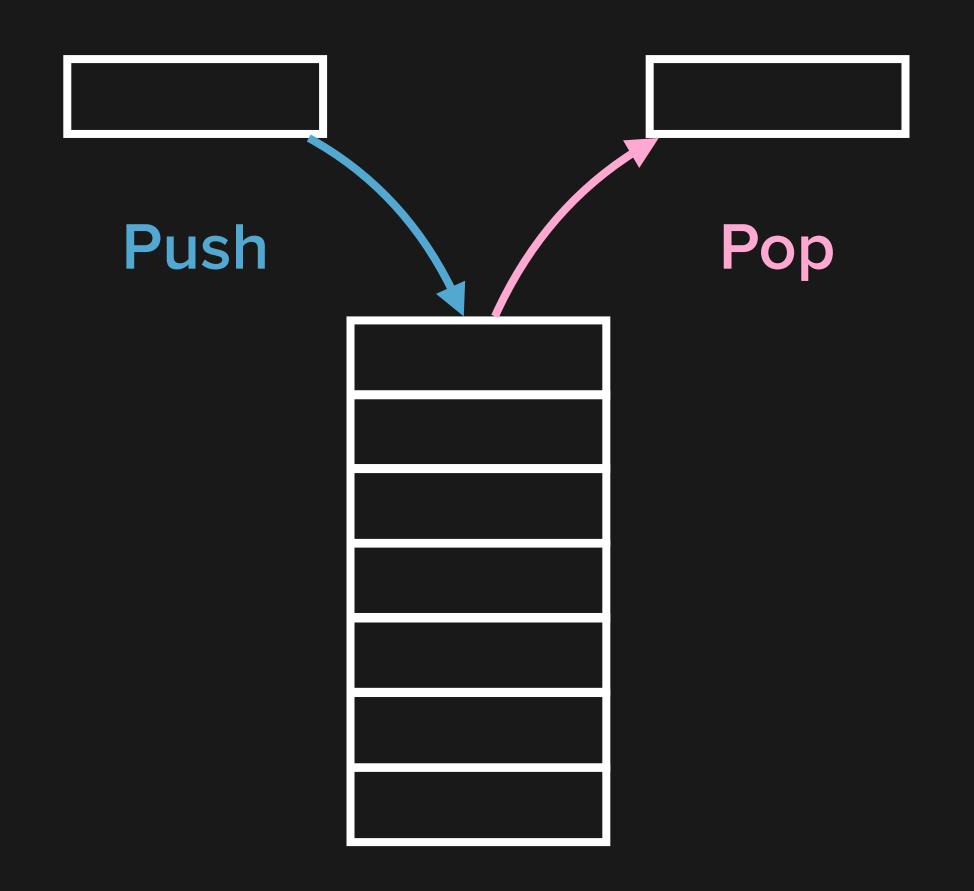
Operations

push - add an object to the top

pop - remove and return the object on the top

peek - return the object on the top

LIFO - last in, first out





STACK

Space O(n)

Push O(1)

Pop 0(1)

Peek O(1)



STACK & QUEUE

Optional methods

isEmpty - returns bool

isfull - returns bool

size - returns number of objects stored



PYTHON

Stacks with list

https://docs.python.org/3/tutorial/datastructures.html#using-lists-as-stacks

Queues with list?

https://docs.python.org/3/tutorial/datastructures.html#using-lists-as-queues





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