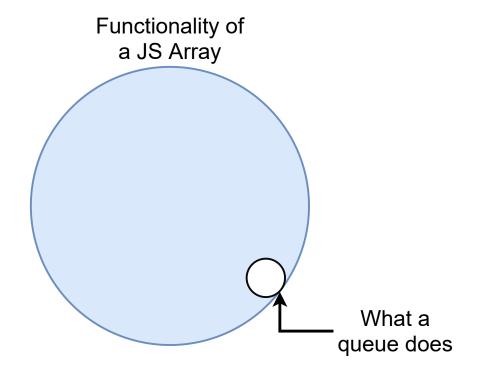
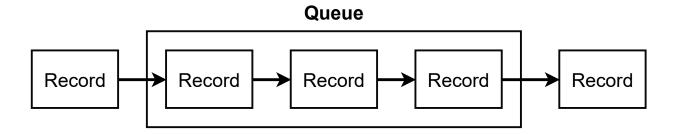
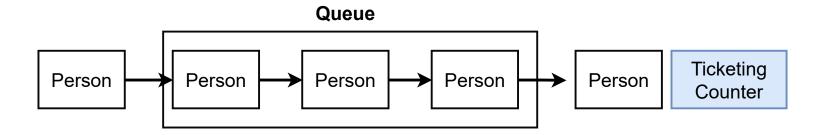
Data Structures

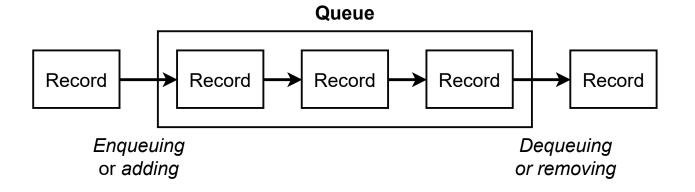
Ways of organizing information with optimal 'runtime complexity' for adding or removing records

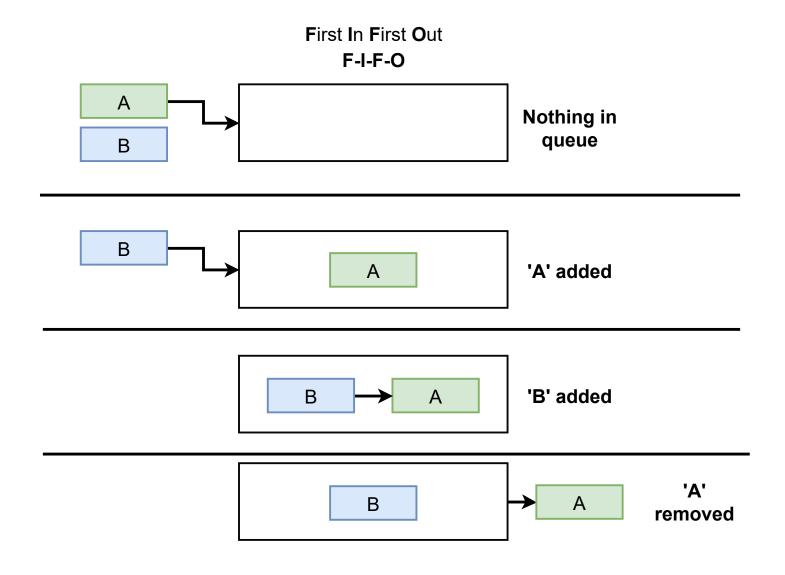
Javascript natively implements several data structures. You will still be asked about 'inferior' data structures.







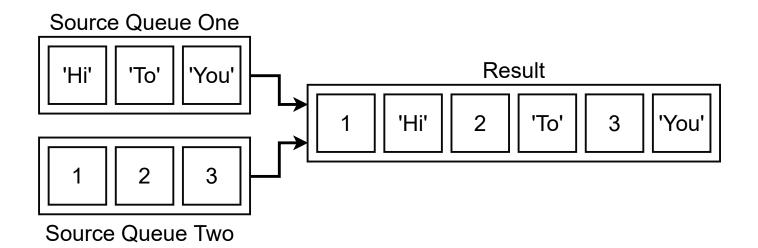


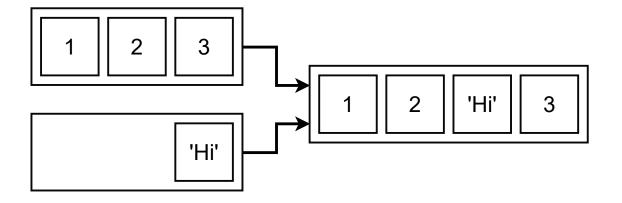


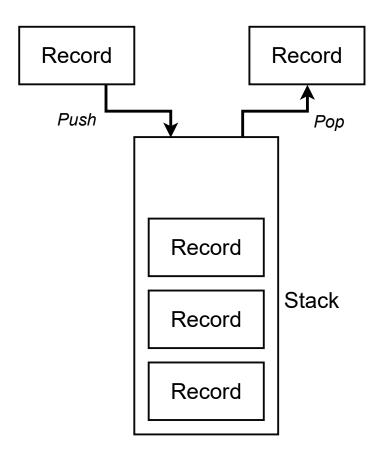
Queue	Array Equivalent
Add to queue	array.unshift();
Remove from queue	array.pop();

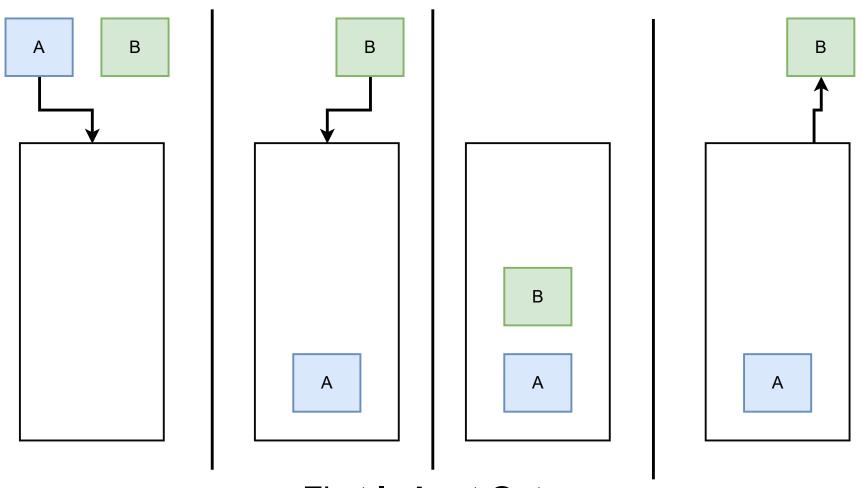
shift unshift push pop splice slice

То	Run This
Create a new, empty queue	const q = new Queue();
Add a record to a queue	q.add(1);
Remove record at the end of a queue	q.remove();



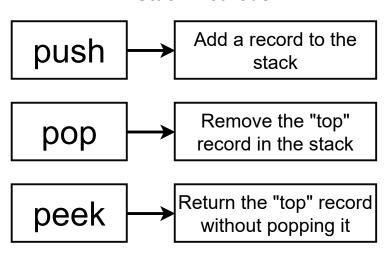






First In Last Out FILO

Stack Methods

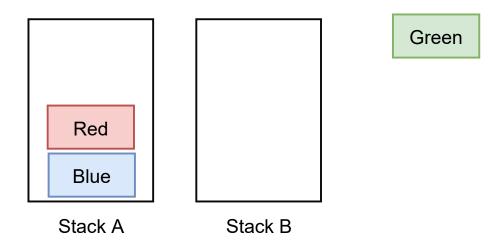


Stack + Stack = Queue

Red Blue Stack A Stack B

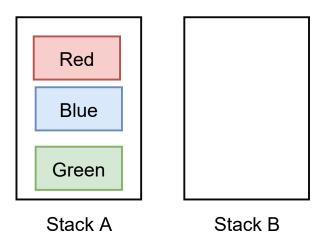
Remember, we want a Queue, so follow 'First In First Out'

Remove



Remember, we want a Queue, so follow 'First In First Out'

Peek



Remember, we want a Queue, so follow 'First In First Out'