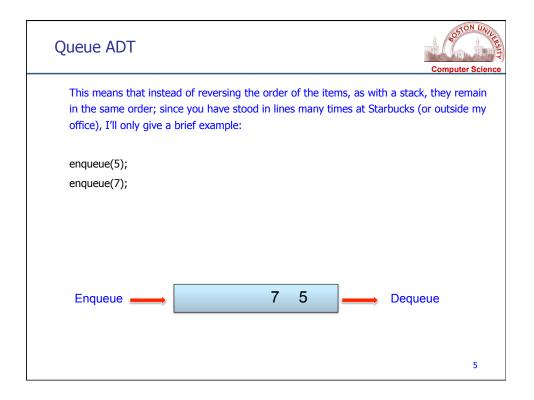
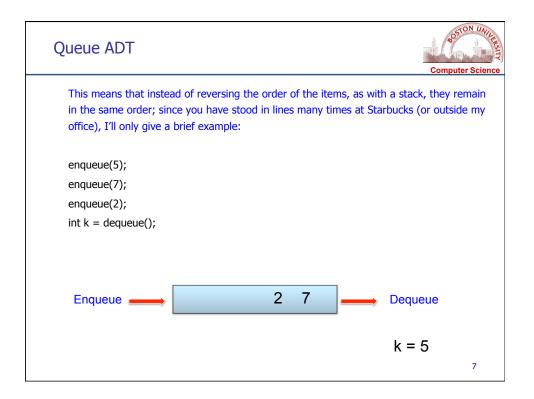
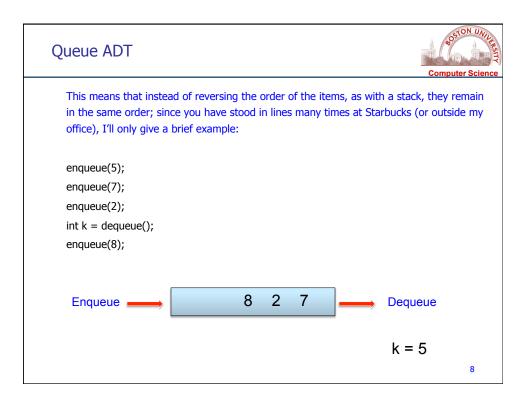


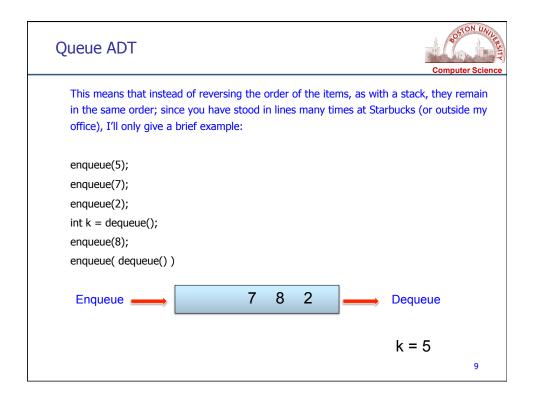
Queue ADT	Computer Science	
This means that instead of reversing the order of the items, as with a stack, they remain in the same order; since you have stood in lines many times at Starbucks (or outside my office), I'll only give a brief example:		
enqueue(5);		
Enqueue	5 Dequeue	
	4	

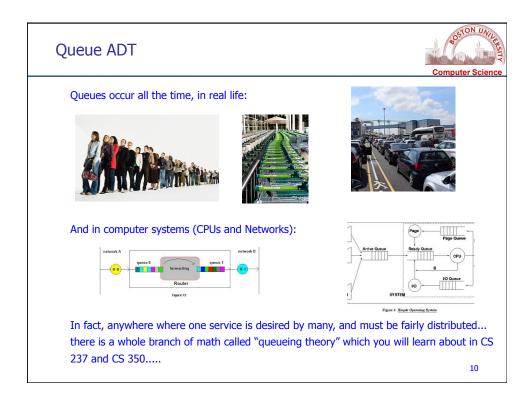


Queue ADT		Computer Science	
This means that instead of reversing the order of the items, as with a stack, they remain in the same order; since you have stood in lines many times at Starbucks (or outside my office), I'll only give a brief example:			
enqueue(5); enqueue(7); enqueue(2);			
Enqueue 👝	2 7 5	Dequeue	









Queue ADT
The informal interface for a Queue is similar to that for a stack:
public void enqueue(int n) Insert n at the read of the queue
public int dequeue() Remove the integer at the front of the queue and return it
public int peek() Return the number at the front of the queue without removing it
<pre>public int size() Return the number of integers in the queue</pre>
public boolean is Empty() - Return true if the queue is empty and false otherwise
Enqueue Dequeue

Array-based Implementation of Queues	ter Science
The Java Interface (subject of today's lab) for such an ADT is as follows:	
// Queueable Interface	
<pre>public interface Queueable { void enqueue(int n); // insert at the rear of the queue int dequeue(); // Remove and return head of queue int peek(); // Return head of queue without removing boolean isEmpty(); int size(); // returns number of integers in queue }</pre>	3
Enqueue Dequeue	
How to implement this with arrays?	12

