## CSc 127B — Introduction to Computer Science II Fall 2015 (McCann)

## In-Class Activity #6

Name #1:		Section Leader:	
Name #2:		Section Leader:	
Name #3:		Section Leader:	
combined abilitie		answer the following questions to the best of your help us understand your thought process. ICAs nem seriously.  Week 9 (2015/10/21)	
when using		we implement is Empty() and is Full() in queues ow to implement a getOccupancy() method that	
Create	der the non-circular queue pictured on the rean expression that uses front and rear apute the quantity of items in the queue.	right. 0 1 2 3 4 front rear 3	
Apply What	e right are two circular queues. your expression to both queues. does your expression produce for each queueshould it have produced for each queue?	0 1 2 3 4 front rear f   c   d   e   2 0  0 1 2 3 4 front rear f   g   e   4 1	
, ,	nould see that the differences between the exand equal to a characteristic of the queues.	expression's results and the correct answers are the What is that characteristic?	
` '	ns that all you have to do is add that differ rk on the non-circular queue shown with pa	rence to the expression to fix it. Butdoes that art (a)?	
	e a new expression that works in both the of: Modulo is your friend.)	circular and non-circular situations shown above	

When your group is satisfied with your answers, or time is up, hand this to one of the class staff. We'll review the correct answers after time is up.