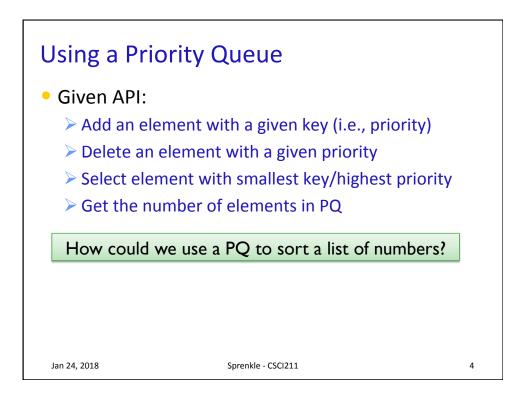
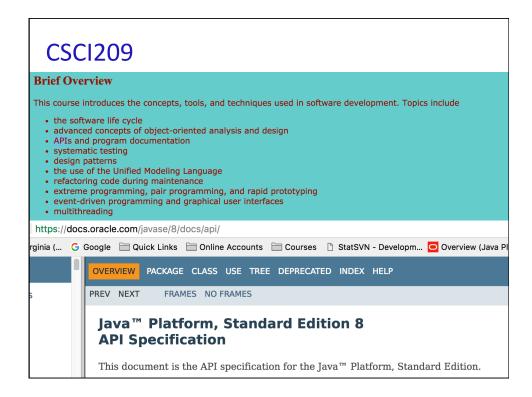
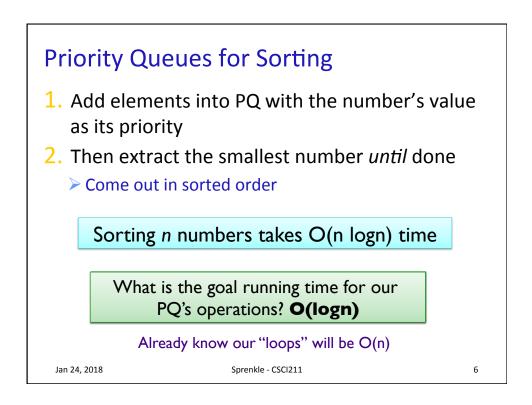
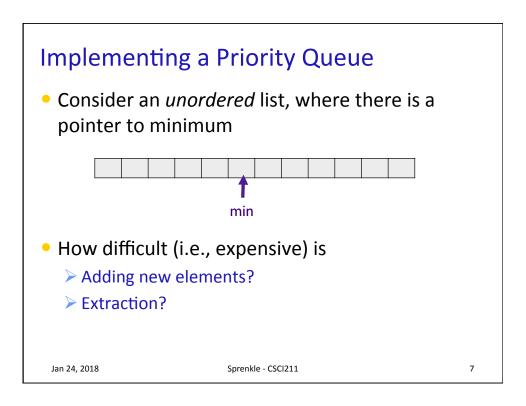


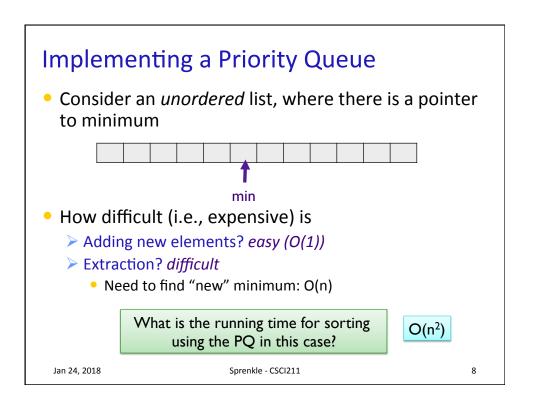
Re	eview: Sum	mary of Running Times	
	Running Time	Example	
	O(log n)	Dividing problem in half on each iteration	
	O(n)	Operate constant amount on each input value	
	O(n log n)	Divide and conquer	
	O(n²)	Operate on each pair of inputs	
	O(n!)	Operate on each permutation of inputs	
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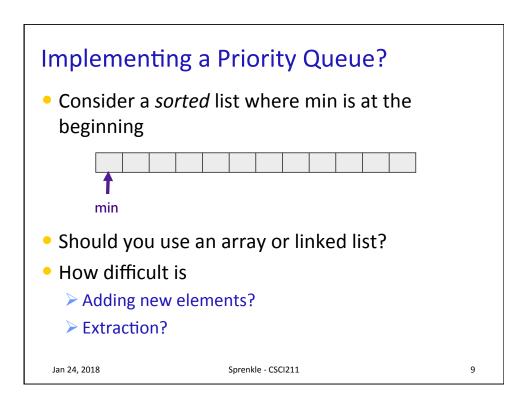


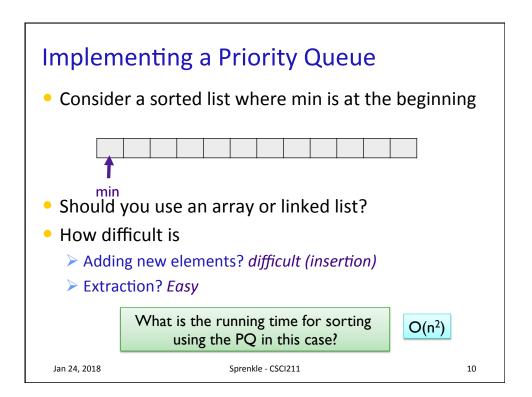












Comparin	g Data Str	uctures
Operation	Unsorted Array	Sorted List
Start(N)		
Insert(v)		
FindMin()		
Delete(i)		
ExtractMin()		
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Operation	Unsorted Array	Sorted List	
Start(N)	O(1)	O(1)	
Insert(v)	O(1)	O(n)	
FindMin()	O(1)	O(1)	
Delete(i)	O(n)	O(1)	Assuming deleting
ExtractMin()	O(n)	O(1)	the first element If deleting anothe element, O(i)

