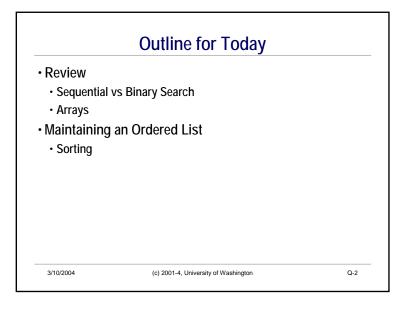
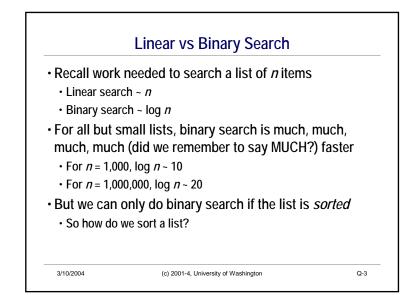
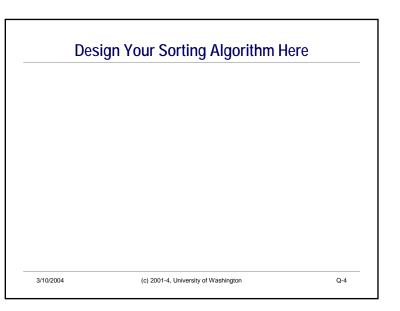
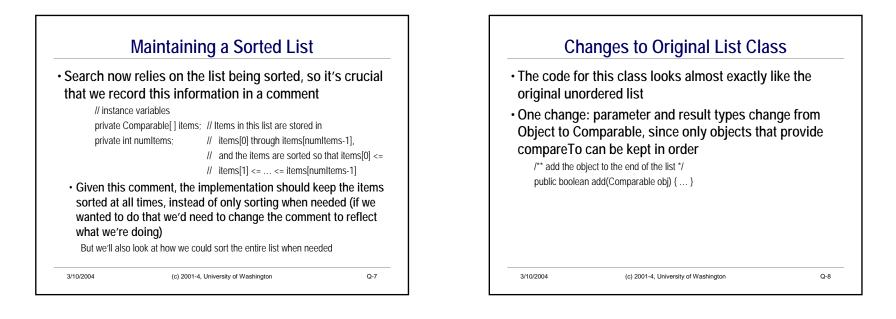
-			
		CSE 142	
		Sorting	
-	3/10/2004	(c) 2001-4, University of Washington	Q-1







	A Sorted List		Maintaining a Sorted List	
Need to make a Sort list before Need check in In either case order in whic But that's pro-	ted at all times adjustments in add method ire searching if not done already contains (search) method to sort if not currently e, order of items in list is usuall h they were added esumably ok, otherwise we'd use the st implementation	y not the	<ul> <li>Almost nothing in the client interface changes         <ul> <li>Except we can no longer allow client to insert arbitrary of in the middle of the list – we need to be able to compare for order</li> <li>What kind of objects can we put in a sorted list?</li> <li>Answer: anything that implements the standard library interface Comparable</li></ul></li></ul>	them
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• Only method from original list that needs to be changed (True?)					
	obj to this list. Return true if successful, otherwise return false */				
•	poolean add(Comparable obj) {				
	this.numItems == this.items.length) {				
,	return false;				
}					
// t	nd correct location to place obj				
// 9	hift larger elements one position to the right				
	Less 1995 second la selle s				
// [	lace obj in correct location				
	nltems++;				
ret	urn true;				
}					

