Northeastern Illinois University CS 200: Programming I Professor Yehuda Gutstein

Study Guide: Searching and Sorting, Chp. 7, 7.10 - 7.11

Concept/Topic:	Text Notes:	Lecture Notes:
Describe sorting.		
List 5 sort algorithms.		
List 3 sort algorithms.		
Describe the selection		
sort algorithm.		
Describe have		
Describe how we translate the selection		
sort algorithm to code.		
Describe the bubble sort		
algorithm.		

Northeastern Illinois University CS 200: Programming I Professor Yehuda Gutstein

Describe how we	
translate the bubble sort	
algorithm to code.	
digoritimi to code.	
Describe big-O notation.	
Describe big o notation.	
Milestia tha his Ofen	
What is the big-O for	
selection sort and	
bubble sort?	
Describe searching.	
List 2 search algorithms.	

Northeastern Illinois University CS 200: Programming I Professor Yehuda Gutstein

1			
	Describe the linear		
	search algorithm.	<u>'</u>	
	G		
		<u>'</u>	
		<u>'</u>	
	Describe how we		
	translate the linear		
	search algorithm to		
	code.	<u>'</u>	
		<u>'</u>	
		<u>'</u>	
		<u>'</u>	
		<u>'</u>	
	Describe the binary	<u>'</u>	
	search algorithm.	<u>'</u>	
		<u>'</u>	
	List an important		
	requirement for the	<u>'</u>	
		<u>'</u>	
	binary search algorithm.		
		<u>'</u>	
		<u>'</u>	
	Describe how we		
	translate the binary	<u>'</u>	
	search algorithm to	<u>'</u>	
		<u>'</u>	
	code.		
		1	