cs202 login:	Name:
Each question is 1 point and is graded as right, wrong, or half credit. The total will be divided so the quiz is worth 6 HW/quiz points ??	
For the following sequence of operations, write what each data structure would look like at the end. insert 3, insert 22, insert 7, insert 12, delete 7, insert 17, insert 14, insert 2, delete 17, insert 16	
Stack (insert is push, delete is pop and ignores its ar	rgument)
Queue (insert is enqueue, delete is dequeue and igno	ores its argument)
Binary search tree (not auto-balancing)	
Unsorted array	
Hash table (hash table of size 8 with hash function h	f(x) = x % 8)
Sorted array	

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time for the \underline{lookup} operation when there are already n items in the data structure already.	
Stack	
Queue	
Binary search tree	
Unsorted array	
Hash table	
Sorted array	

For each of the following data structures, write a "big O expression" for the best-case and worst-case running