CS3353: Data Structures and Algorithm Analysis I Fall 2022

Review Quiz #I

Name only:			
Release date: Aug 31, 2022Total 5 pts	2 (Wednesday)		
I. A linked list is a [b]			[] -+1
a) Random access structure	b) Sequential access structure	c) Both	[1 pt] d) None of these
2. An Array is a [c]			[l pt]
a) Random access structure	b) Sequential access structure	c) Both	d) None of these
3. Find the time complexity of	the following code snippets		المحال
<pre>for (i= 0; i < n; i++) { cout << i << " "; i++; } O(n)</pre>	<pre>for (i= 0; i < n; i++) { for (j = 0; j < n; j++) { cout << i << " "; } } O(n²)</pre>		[l pt]
4. Based on the class of single	linked list, insert a node at the end of	the list. Co	
	s IntSLLNode { public: IntSLLNode() { next = 0; } IntSLLNode(int i, IntSLLNode *ininfo = i; next = in; } int info; IntSLLNode *next;	n = 0) {	[2 pts]
	head tail 5	10	
add	ToTail (int el) {		
	Please refer to lecture slides for answ	ver	