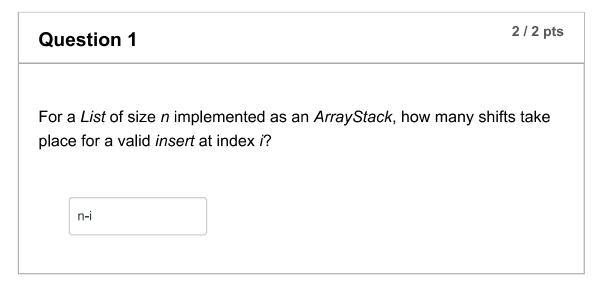
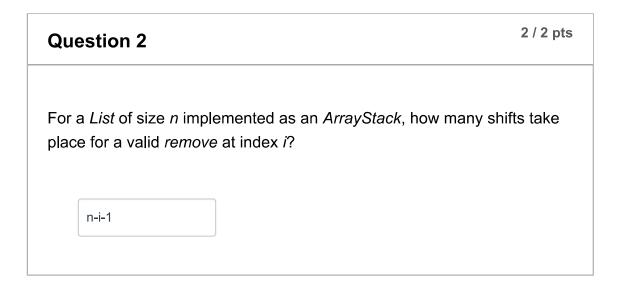
W02 - Arrays and Array-based Structures results for Ali Asad

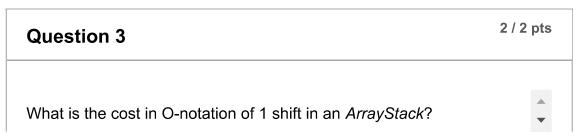


Score for this attempt: 20 out of 20

Submitted 27 Jan at 8:40 This attempt took 1 minute.







Question 4

2 / 2 pts

What is the cost in O-notation of S shifts in an ArrayStack?

Question 5	2 / 2 pts
Which of the following are a characteristic of arrays: Mark all that apply.	
✓ random access	
static dynamic	
heterogenous	
✓ linear ✓ homogenous	

Question 6 2 / 2 pts

O(S)

The base address of an array:
is the address of the first element of the array.
is the address of the last element of the array.
does not point to any particular array element.

Arrays occupy contiguous cells in memory which: helps in randomly accessing an array element. allows them to be dynamic. restricts them to be homogenous. allows them to be heterogenous. requires them to be of fixed size.

Question 8	2 / 2 pts
Given the following sequence of operations on a deque, add_first(1) add_last(6) add_first(0)	

indicate the numbers when the following operations are performed on the deque in the given order.
remove_last(): 6 remove_first(): 0 remove_last(): 1
Answer 1:
6
Answer 2:
0
Answer 3:
1

Question 9	2 / 2 pts
Which of the following statements are true about Abstraction?	
✓ It exposes relevant information to use a component/class.	
It exposes in-depth implementation details.	
It gives the flexibility to change the implementation without changing interface.	the
It tightly couples interface with implementation.	
☑ It lets you focus on the higher/conceptual view.	

Question 10	2 / 2 pts
DEQUE is a double-ended queue that can also be used as a Sta	<i>ck</i> by:
pushing and popping from the front end.	
pushing and popping from the back end.	
Pushing from one end and popping from the other end.	
■ None of the above	

Quiz score: 20 out of 20