

Q1 Instructions

0 Points

To receive full credit on this quiz, you must score at least 50%.

The Github repo for Lecture 26 is at:

<https://github.com/ucsd-cse12-sp21/ucsd-cse12-sp21.github.io/tree/master/lectures/lecture-26>

Q2 CircularArrayList

1 Point

What is the best/worst/amortized average-case time complexity of `prepend()` in the `CircularArrayList` we discussed in class, where n is the length of the list?

- ☐ $O(n)/O(n)/O(n)$
- ☐ $O(1)/O(n)/O(n)$
- ☐ $O(1)/O(1)/O(1)$
- ☒ $O(1)/O(n)/O(1)$

Q3 ArrayList get()

1 Point

What is the worst-case time of getting an element by index in an array list, where n is the length of the list?

- ☒ $O(1)$
- ☐ $O(\lg n)$
- ☐ $O(n)$
- ☐ $O(n^2)$