

Quiz 02: Array-backed List

Assignment Complete

QUESTION 1

ANSWERED

Runtime complexity

0 points possible



$O(1)$



$O(\log N)$



$O(N)$



$O(N^2)$

[Go To Question](#)

QUESTION 2

ANSWERED

Runtime complexity

0 points possible



$O(1)$



$O(\log N)$



$O(N)$



$O(N^2)$

[Go To Question](#)

QUESTION 3

ANSWERED

Runtime complexity

0 points possible



$O(1)$



$O(\log N)$



$O(N)$



$O(N^2)$

[Go To Question](#)

QUESTION 4

ANSWERED

Runtime complexity

0 points possible



$O(1)$



$O(\log N)$



$O(N)$



$O(N^2)$

[Go To Question](#)

QUESTION 5

ANSWERED

Runtime complexity

0 points possible



$O(1)$



$O(\log N)$



$O(N)$



$O(N^2)$

[Go To Question](#)

QUESTION 6

ANSWERED

Implementing Insert_times

15 points possible

```
code.py Full Screen ⚙
1 class ArrayList:
2     def __init__(self):
3         # don't remove or change this method!
4         self.data = []
5
6     def append(self, x):
7         # don't remove or change this method!
8         self.data.append(None)
9         self.data[len(self.data)-1] = x
10    def insert_times(self, idx, n, x):
11        temp=[x]*n
12        self.data=self.data[:idx] +temp + self.data[idx:]
```



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QUESTION 7

ANSWERED

Implementing remove_all

15 points possible

```
code.py Full Screen ⚙️
1 class ArrayList:
2     def __init__(self):
3         # don't remove or change this method!
4         self.data = []
5
6     def append(self, x):
7         # don't remove or change this method!
8         self.data.append(None)
9         self.data[len(self.data)-1] = x
10
11     def remove_all(self, x):
12         l=len(self.data)
13         for j in range(l):
14             for i in self.data:
```

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