Quiz

It's quiz time! Test yourself by solving these questions about circular linked lists.

1   Given that you have access to the head node of a circular linked list containing n elements, what is the time complexity to search for an element?

2   A linked list is a circular linked list when the tail node points to itself.

3

Given that you have access to the head node, the time complexity of removing the head node in a circular linked list containing n elements is $O(1)$.

4

What is the output of the following code?

```
cllist = CircularLinkedList()
cllist.append("A")
cllist.prepend("B")
cllist.prepend("C")
cllist.append("D")

cllist.remove("A")
cllist.remove("C")
print(cllist.head.data)
```

What is the time complexity of the following method if we run it on a circular linked list containing n elements?

```python
def print_list(self):
    cur = self.head

    while cur:
        print(cur.data)
        cur = cur.next
        if cur == self.head:
            break
```

Check Answers