

Exercise: Is Circular Linked List

Challenge yourself with an exercise in which you'll have to determine whether a given linked list is circular or not.

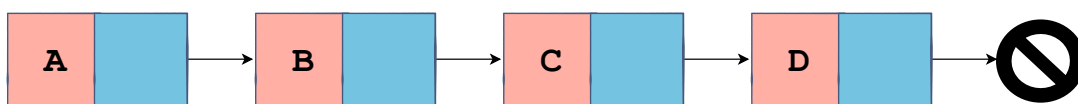
WE'LL COVER THE FOLLOWING ^

- Problem
- Coding Time!

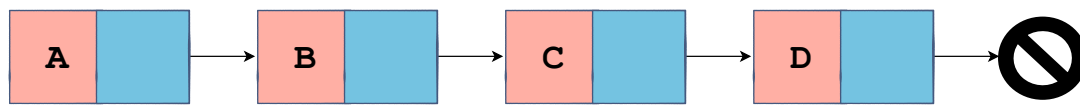
Problem

In this exercise, you are required to determine whether a given linked list is a circular linked list or not. Your solution should return **True** or **False** to indicate if the linked list that was passed in to the method is circular or not.

Circular Linked List: Is Circular Linked List?



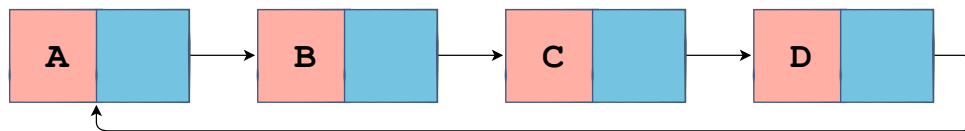
Circular Linked List: Is Circular Linked List?



False

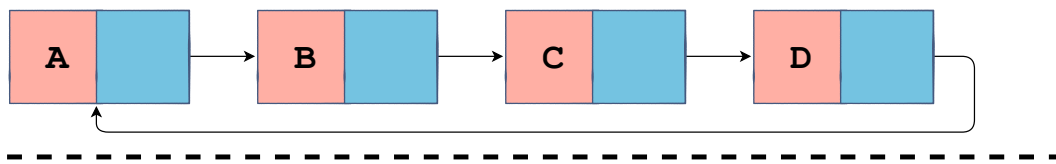
2 of 4

Circular Linked List: Is Circular Linked List?



3 of 4

Circular Linked List: Is Circular Linked List?



True

4 of 4

—

[]

Coding Time!

In the code below, the `is_circular_linked_list` is a class method of the `CircularLinkedList` class. You cannot see the rest of the code as it is hidden. As `is_circular_linked_list` is a class method, please make sure that you don't change the indentation of the code provided to you. You are required to write your solution under the method prototype.

For this exercise, you are required to return either `True` or `False` based on whether `input_list` is circular or not. In the test cases, the ellipses (...) are used to depict circular linked lists which means that they represent that the next node in the linked list is the head node.

Good luck!

```
def is_circular_linked_list(self, input_list):  
    pass
```



