

LoopFinder

October 29, 2022

1 Loop Finder

Get the first head

```
first = L.head
```

Store the data in an array. We will use this array to check if we reached a repeated data or not

```
data = []  
data.append(first.data)
```

loop through the linked list and check if you reached a repeated data or not

```
next = first.next
```

```
while next is not None:  
    got = next.data  
    if got in data:  
        # we have reached a repeated data  
        return True # means yes we have a loop  
  
    data.append(got)  
    next = next.next
```

```
return False
```