Difficulty: 🟥   **Category:** ▨▨▨▨   **Successful Submissions:** 25,341+

Reverse Linked List ○ ☆

Write a function that takes in the head of a Singly Linked List, reverses the list in place (i.e., doesn't create a brand new list), and returns its new head.

Each `LinkedList` node has an integer `value` as well as a `next` node pointing to the next node in the list or to `None` / `null` if it's the tail of the list.

You can assume that the input Linked List will always have at least one node; in other words, the head will never be `None` / `null`.

Sample Input

```
head = 0 -> 1 -> 2 -> 3 -> 4 -> 5 // the head node with value 0
```

Sample Output

```
5 -> 4 -> 3 -> 2 -> 1 -> 0 // the new head node with value 5
```

Hints

Hint 1	▼

Hint 2	▼

Hint 3	▼

Optimal Space & Time Complexity	▼