

## In-place Reversal of a Linked List

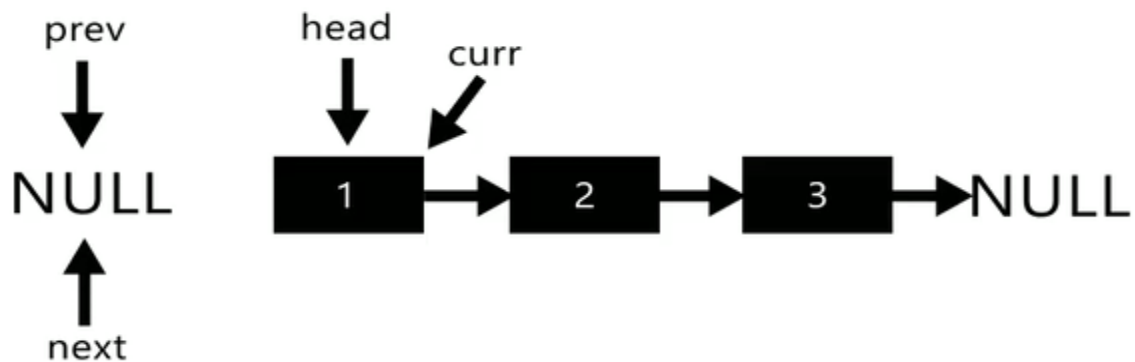
### LeetCode 206 - Reverse Linked List *[easy]*

Reverse a singly linked list.

**Example:**

Input: 1 -> 2 -> 3 -> 4 -> 5 -> NULL

Output: 5 -> 4 -> 3 -> 2 -> 1 -> NULL



```
while (current != NULL)
{
    next = current->next;
    current->next = prev;
    prev = current;
    current = next;
}
*head_ref = prev;
```

```
1 Node reverse(Node node)
2     {
3         Node prev = null;
4         Node current = node;
5         Node next = null;
6         while (current != null) {
7             next = current.next;
8             current.next = prev;
9             prev = current;
10            current = next;
11        }
12        node = prev;
13        return node;
14    }
```