

Problem: Given linked list, return it in reverse

Intro:

- Verify Constraints
 - null or single node - return head
- Create Testcases
 - 1, 2, 3, 4 -> 4, 3, 2, 1
 - 1 -> 1
 - None -> None

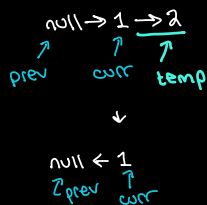
Brute Force:

- Brainstorming & Pattern Observations: create new node
- Pseudocode
- Write code
- Run through testcases
- Analyze time and space complexity
 - Time: $O(n)$
 - Space: $O(n)$

Optimal:

- Brainstorming & Pattern Observations

Swapping in place:



- Pseudocode
- Write code
- Run through testcases
- Analyze time and space complexity
 - Time: $O(n)$
 - Space: $O(1)$