

## **Linked Lists**

- Find the middle node of the linked list
  - Count nodes method
  - Slow-fast pointer method
- Check if a linked list is a palindrome
  - Recursive
  - Iterative

(Discuss Aux space differences)
- Detect and remove the loop from a Linked list

## **Bit Manipulation**

- Count set bits in an integer
  - Traverse the bits one by one
  - $N \& (N - 1)$  method
- Check whether kth bit is set or not
- <https://practice.geeksforgeeks.org/problems/subsets-1587115621/1#>