#### **▶** Linked List

## Pattern 1: Fast & Slow Pointers

- → Linked List Cycle
- → Linked List Cycle II
- → Palindrome Linked List
- → Middle of the Linked List
- → Intersection of Two Linked Lists

#### Pattern 2: Reversing Linked Lists

- $\rightarrow$  Reverse Linked List
- → Reverse Nodes in k-Group
- → Reorder List
- → Swap Nodes in Pairs
- → Reverse Linked List II

## Pattern 3: Merging & Partitioning Lists

- → Merge Two Sorted Lists
- → Partition List
- → Merge K Sorted Lists
- → Sort List
- → LR Insertion Template

## Pattern 4: Dummy Node Technique

- → Remove Nth Node From End of List
- → Partition List
- → Swap Nodes in Pairs
- → Design Linked List
- → Add Two Numbers

## **Pattern 5: List Manipulation Operations**

- → Design Linked List
- → List Removals
- → Insert into a Cyclic Sorted List
- → Reverse Linked List II
- → Split Linked List in Parts

#### **Pattern 6: List Transformation**

- → Reorder List
- → Remove Nth Node From End of List
- → Partition List
- → Add Two Numbers
- → Copy List with Random Pointer

# Pattern 7: Basic List Operations Implementation

- → Design Linked List
- → Add Two Numbers
- $\rightarrow$  Remove Duplicates from Sorted List
- → Palindrome Linked List
- → Intersection of Two Linked Lists