# Frontend Development- Week4

## Week 4

▼ CP Question-

***Question- Add two numbers represented as Linked Lists***

Given the heads of two non-empty linked lists representing two non-negative integers. The digits are stored in reverse order, and each of their nodes contains a single digit. Add the two numbers and return the sum as a linked list.

**Examples:**

Input Format:
(Pointer/Access to the head of the two linked lists)

num1 = 243, num2 = 564

l1 = [2,4,3]
l2 = [5,6,4]

Result: sum = 807; L = [7,0,8]

Explanation: Since the digits are stored in reverse order, reverse the numbers first to get the or original number and then add them as → 342 + 465 = 807.

▼ Coding Challenge-

- Find the smallest element in a list.

- Write a program that converts units (e.g., length, weight, temperature) between different measurement systems.

- Develop a system to manage a library's catalog, including adding books, checking out books, and returning books.

- Build a to-do list application where tasks can be prioritized and sorted based on their importance.

- Reverse the order of elements in a list.

- Build a recommendation system that suggests products or content based on user preferences and behavior.

Plus+ Submit Project #1 (Mandatory)