

# Rajalakshmi Engineering College

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## NeoColab\_REC\_CS23231\_DATA STRUCTURES

### REC\_DS using C\_Week 1\_COD\_Question 1

Attempt : 3  
Total Mark : 10  
Marks Obtained : 0

#### Section 1 : Coding

##### 1. Problem Statement

Janani is a tech enthusiast who loves working with polynomials. She wants to create a program that can add polynomial coefficients and provide the sum of their coefficients.

The polynomials will be represented as a linked list, where each node of the linked list contains a coefficient and an exponent. The polynomial is represented in the standard form with descending order of exponents.

##### ***Input Format***

The first line of input consists of an integer  $n$ , representing the number of terms in the first polynomial.

The following  $n$  lines of input consist of two integers each: the coefficient and the exponent of the term in the first polynomial.

The next line of input consists of an integer  $m$ , representing the number of terms in the second polynomial.

The following  $m$  lines of input consist of two integers each: the coefficient and the exponent of the term in the second polynomial.

**Output Format**

The output prints the sum of the coefficients of the polynomials.

**Sample Test Case**

Input: 3

2 2

3 1

4 0

3

2 2

3 1

4 0

Output: 18

**Answer**

-

**Status :** Skipped

**Marks :** 0/10