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Round:1

Detailed Round Description Online Coding Interview focused on Data Structures and Algorithms (DSA) and Object-Oriented Programming (OOPS). Detailed Question Description(with Test Cases, if possible)

Problem 1: Minimum Cost Path Description:

You are given an integer array cost where cost[i] is the cost of the *i*-th step on a staircase. Once you pay the cost, you can either climb one or two steps. You can start from the step with index 0 or 1. Return the minimum cost to reach the top of the floor.

Problem Approach:

Used Dynamic Programming (DP) to solve this problem. Calculated the minimum cost to reach the i-th stair and stored it in the DP array, using it to find the cost for the (n-1)-th index.

Code Logic Block

Instead of maintaining a full dp array, use two variables:

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Problem 3: System Design (OOPS Concepts)

Description:

timussocials Interview Experiences Prep Resources Focus on Object-Oriented Programming (OOPS) concepts with implementation. Asked to implement polymorphism, friend functions, and inheritance.

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