


Infosys


Interview Questions

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Hi 🙌 I'm Saurabh Kumar Jha from Bihar. ...more

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Infosys Interview Coding Question

- Dynamic Programming

1. Frog Jump
2. Ninja's Training
3. House Robber
4. Unique Paths
5. Triangle
6. Subset Sum Equals to Target
7. 0/1 Knapsack
8. Minimum Coins
9. Best Time to Buy and Sell Stock
10. Climbing Stairs

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Infosys Interview Coding Question

- **Dynamic Programming**

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The screenshot shows a YouTube playlist interface. On the left, the playlist title is "Dynamic Programming Playlist | Interview Questions | Recursion ...". Below the title, it says "take U forward · Course" and "57 videos · Last updated on Mar 16, 2023". There are icons for bookmark, share, download, and a menu. Below these are "Play" and "Comments" buttons. A description states: "The playlist aims to teach you Dynamic Programming in depth. The focus of the playlist is to cover all the concepts, and then follow it up with a lot of problems so that the concepts go into your head and stay there. The focus is on logic, so no matter in which".

On the right, there are four video thumbnails:

- 1. **LAUNCHING DP SERIES** (0:18)
- 2. **INTRODUCTION TO DYNAMIC PROGRAMMING** (33:51)
- 3. **CLIMBING STAIRS HOW TO WRITE RECURRENCE** (13:17)
- 4. **FROG JUMP 1D DYNAMIC PROGRAMMING** (38:50)

Video titles and descriptions are visible next to the thumbnails:

- Striver's Dynamic Programming Series | The ULTIMATE | The BIGGEST | Teaser...
- DP 1. Introduction to Dynamic Programming | Memoization | Tabulation | Space...
- DP 2. Climbing Stairs | Learn How to Write 1D Recurrence Relations
- DP 3. Frog Jump | Dynamic Programming | Learn to write 1D DP


Infosys Interview Coding Question

• Graphs

1. BFS
2. DFS
3. Island
4. Rotten Oranges
5. Detect Cycle
6. World Leader
7. Dijkstra Algorithm
8. Print Shortest Path
9. prim's Algo
10. No Ways to reach Destination

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Infosys Interview Coding Question



INTRODUCTION TO GRAPH SERIES

Graph Series by Striver | C++ | Java | Interview Centric |...

take U forward · Course

56 videos · Last updated on Dec 29, 2022


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Resume **Comments**

The playlist aims to teach you Graphs in depth. The focus of the playlist is to cover all the concepts, and then follow it up with a lot of problems so that the concepts go into your head and stay there.

The focus is on logic, so no matter in which language you code, you can easily convert it


1



INTRODUCTION TO GRAPH SERIES
13:43

G-1. Introduction to Graph | Types | Different Conventions Used

2



GRAPH REPRESENTATION in C++
2 WAYS 16:04

G-2. Graph Representation in C++ | Two Ways to Represent

3



GRAPH REPRESENTATION in Java
2 WAYS 13:13

G-3. Graph Representation in Java | Two Ways to Represent

4



WHAT ARE CONNECTED components
??? 38:50

G-4. What are Connected Components ?

5



TRaversal TECHNIQUES BFS
breadth-first search in graph 19:39

G-5. Breadth-First Search (BFS) | C++ and Java | Traversal Technique in Graphs

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Infosys Interview Coding Question

• Linkedlist

1. Doubly LinkedList
2. Cycle Detection
3. Remove Nth Node From the Linkedlist
4. merge 2 sorted list

• Binary Tree

1. preorder, inorder, postorder traversal
2. Maximum Depth
3. Botto, top , side View

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Infosys Interview Coding Question

• Arrays

1. Longest Subarray with K sum
2. 2 Sum, 3 Sum
3. Kadane's Algorithm
4. pascal Tringle
5. Find Missing and Repeting

• Stack and Queue

1. Next Greter Element
2. Sliding Window Maximum
3. Astroid Collisons
4. Remove K Digit
5. perfect Bracket

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CS Fundamentals

- OOPS (Object-Oriented Programming)

1. Class & Object
2. Encapsulation
3. Abstraction
4. Inheritance
5. Polymorphism

- DBMS (Database Management System)

1. Keys
2. Normalization
3. ACID Properties
4. CAP Theorems

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CS Fundamentals

- Operating System (OS)

1. Process vs Thread
2. Process States
3. CPU Scheduling Algorithms
4. Deadlock
5. Memory Management
6. Context Switching

- Computer Networks (CN)

1. OSI Model (7 Layers)
2. TCP vs UDP
3. IP Addressing
4. Three-Way Handshake (TCP)

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SQL Questions

- Where Clause
- Joins Multiple Table
- Aggregate Functions
- Group By
- Having
- Sub-Query
- Window Functions
- Ranks
- Nth Salary

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