❤️ **By SIDDHARTH SINGH**
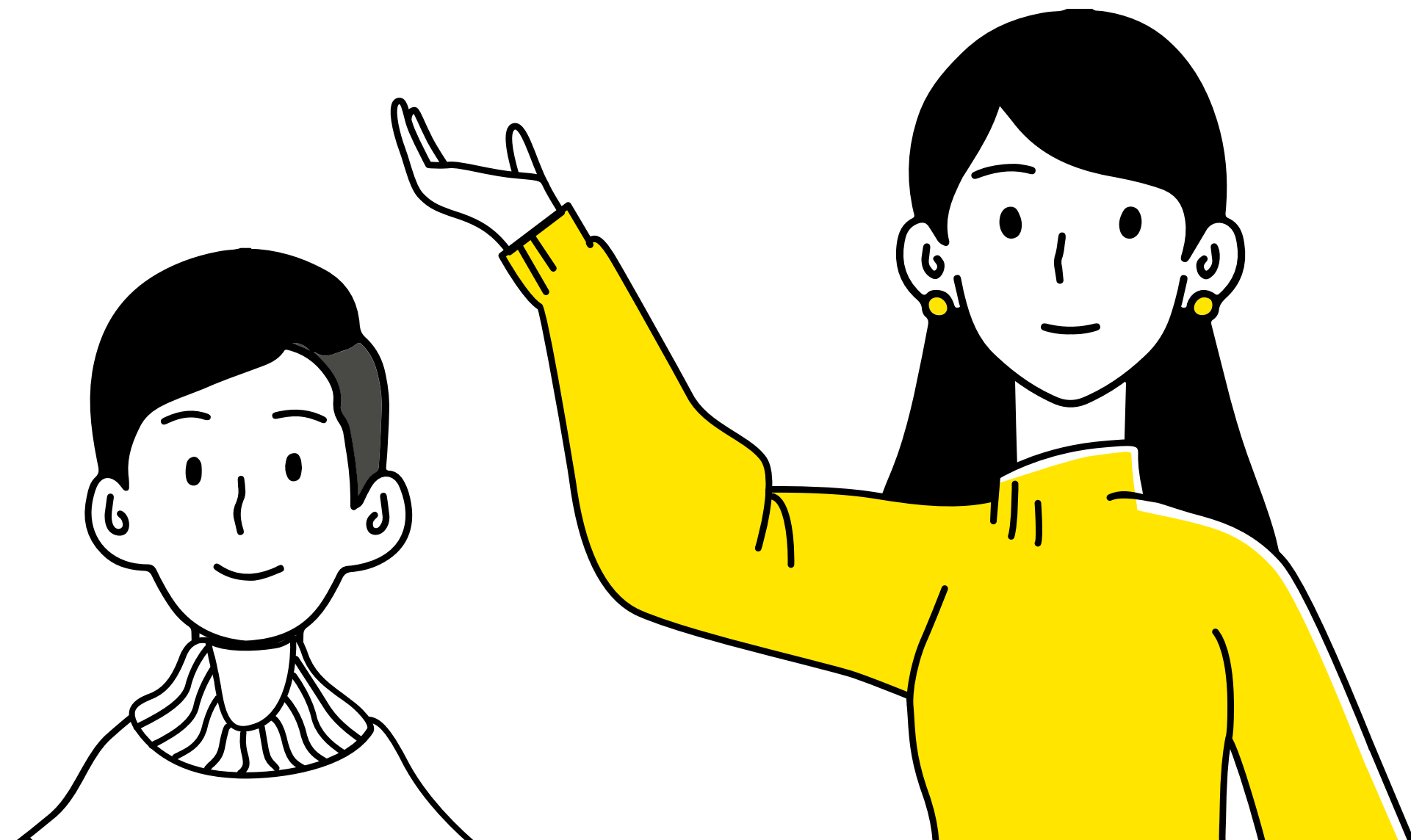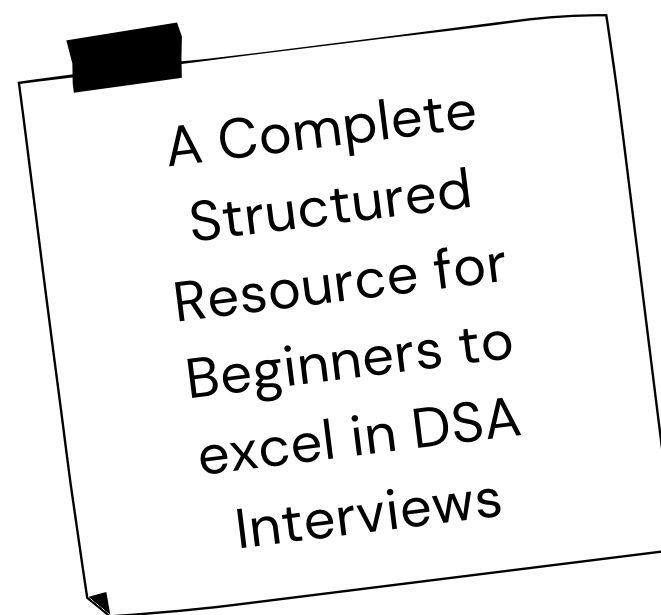
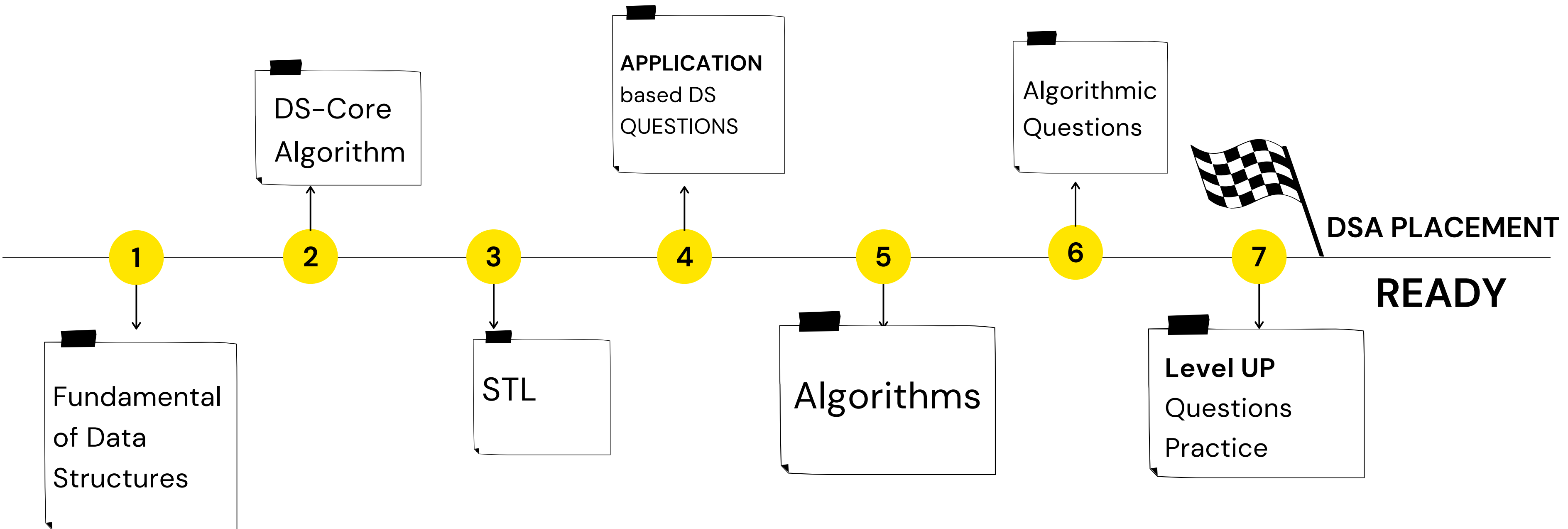# DSA Complete Roadmap

The only Roadmap you need, to excel in Data Structure & Algo

A Complete Structured Resource for Beginners to excel in DSA Interviews

ROADMAP FOR DSA

A COMPLETE Structured **FREE** Resource to learn DSA for College & Placements

1

Fundamental of Data Structures

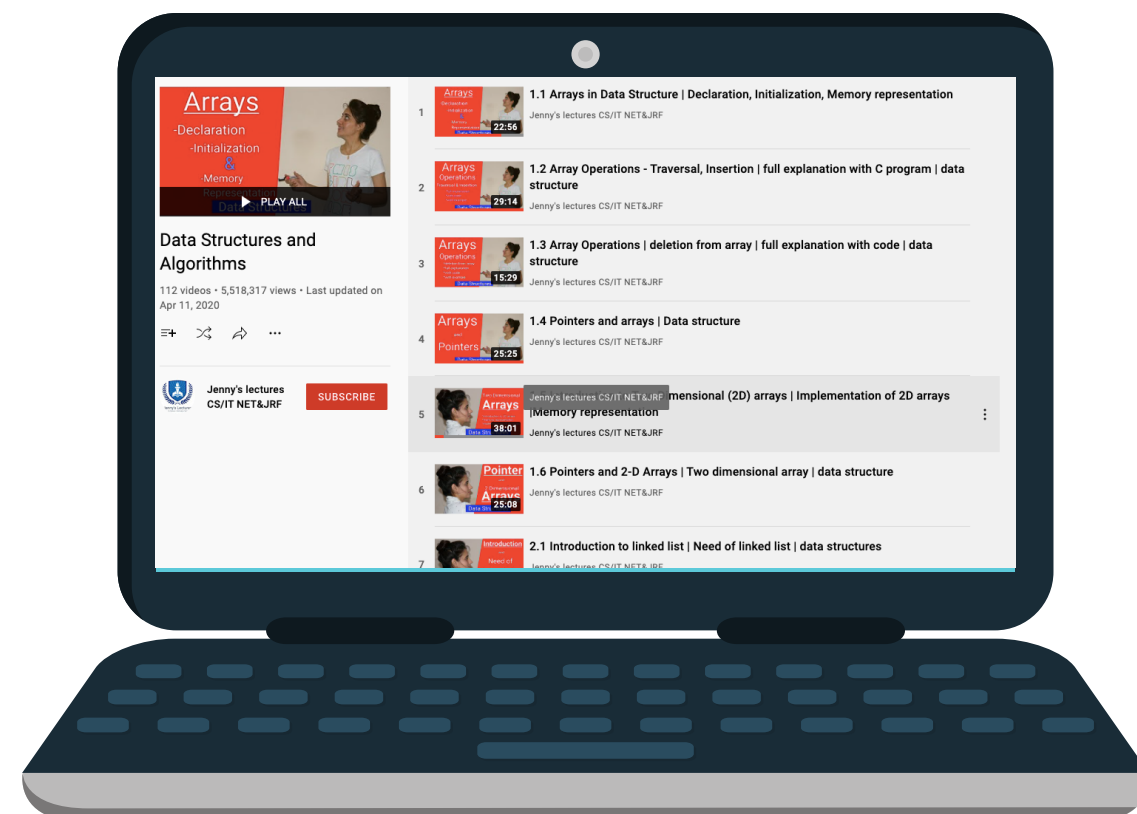**Implementation of Data Structures**
Ex: Structure of Node in Trees or How is Stack implemented through Array or LL

Source:

Jenny's DSA Playlist

+

Complimentary for RECURSION:

Complete Recursion Masterclass

2

DS Core Algorithm

Basic Algorithms of Data Structures
Ex: Insertion, Deletion, Traversal etc.

Same Resource: Already covered in

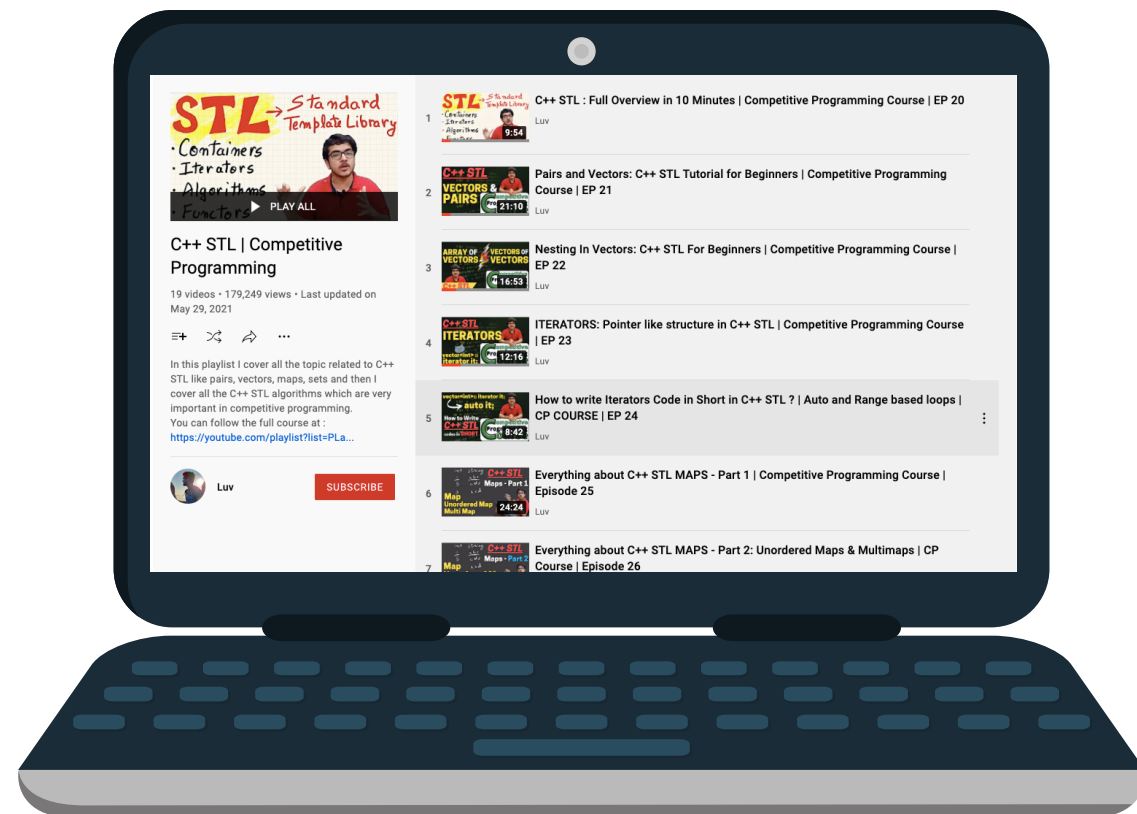Jenny's DSA Playlist

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Geekforgeek (For Code)

3

Standard Template Library

Set of template classes to provide common data structures and functions such as Stack, queue etc.
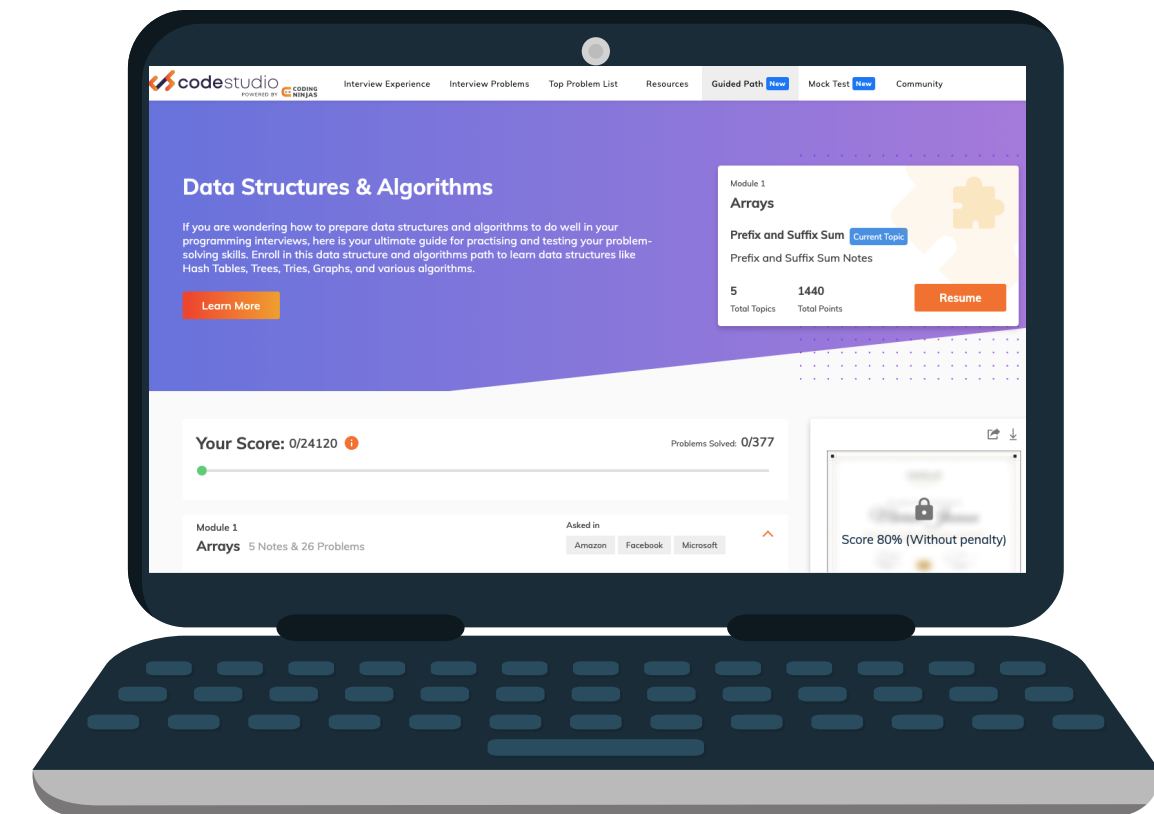
Source:

Luv's STL Playlist

4

Application based DS Question

15-20 Conceptual Problems for learning and improving problem solving of data structures

Source:

CN Guided Path (Upto Module 13)
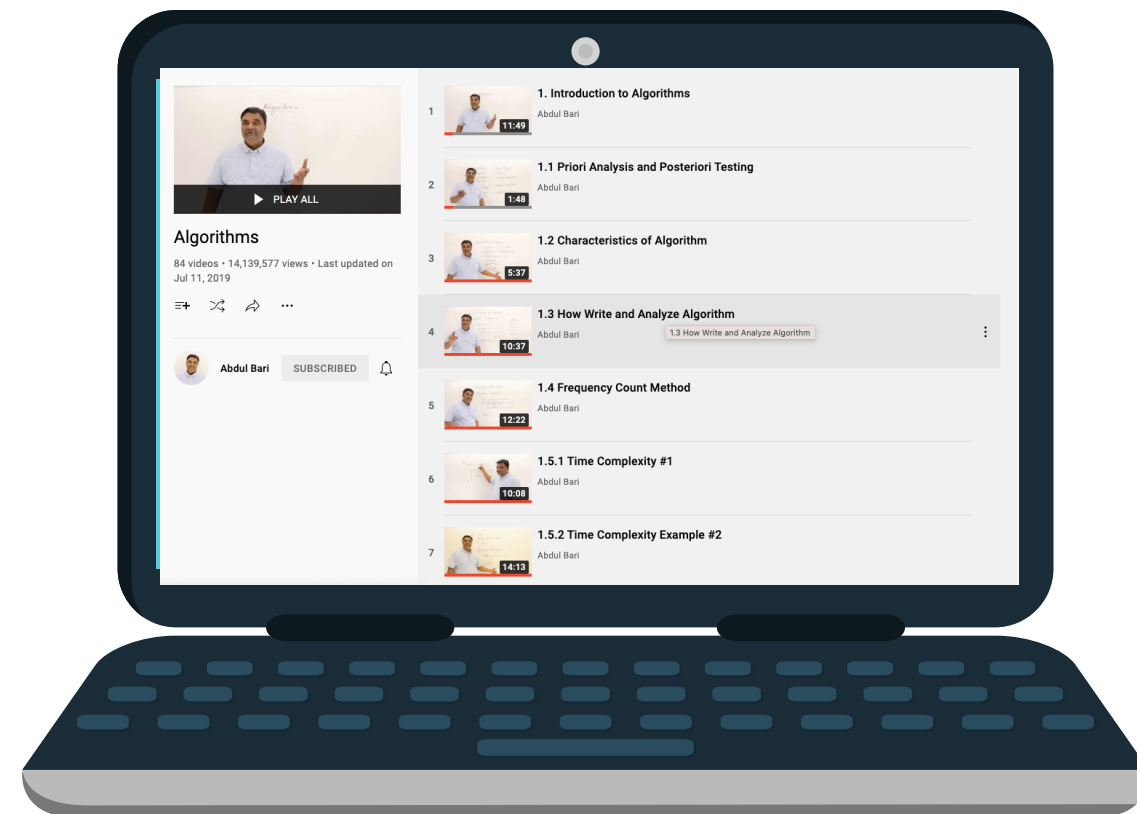
Leetcode (Selected Questions)

Algorithm

For understanding Important algorithms such as Greedy, DP, String Algorithm

Source:

Step 1: Abdul Bari Algorithm Playlist

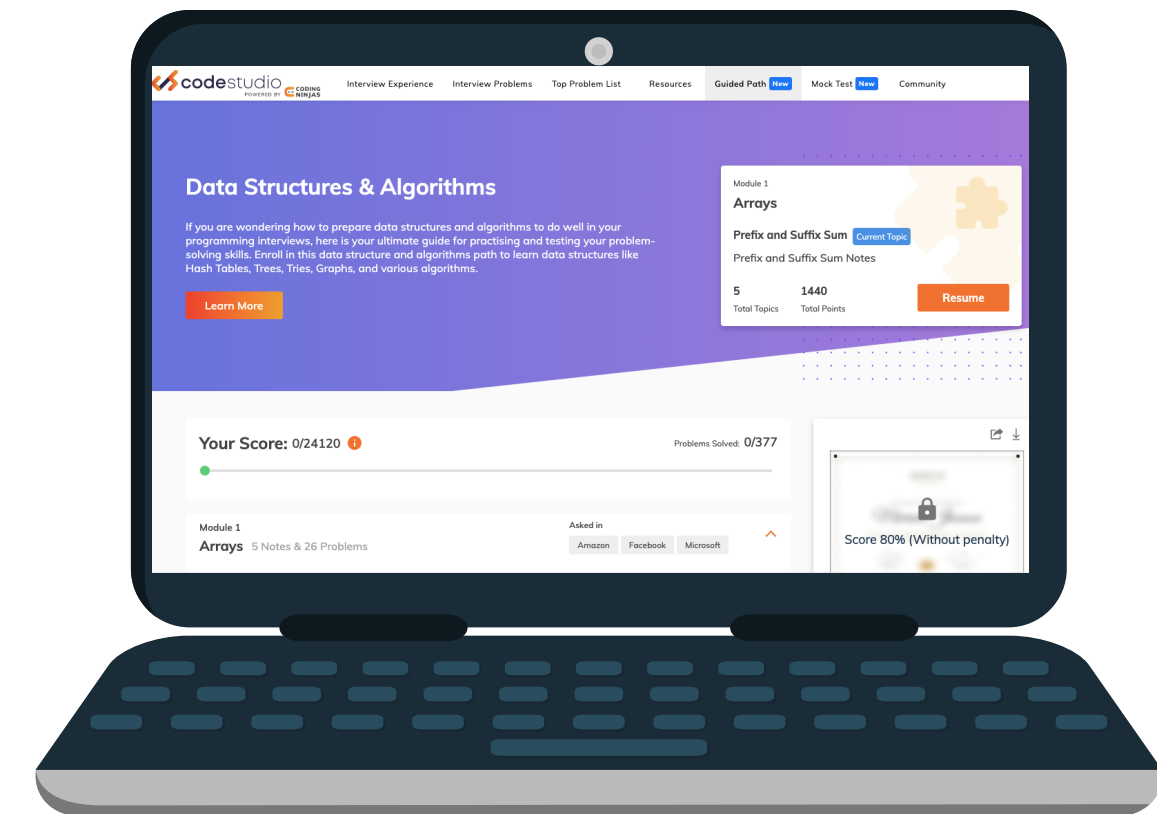(Code from GeekforGeeks)

Step 2: DP from Aditya's Playlist

Algorithmic Questions

Conceptual Problems of Algorithms such as Greedy and DP

Source:

CN Guided Path (Module 14 onwards)

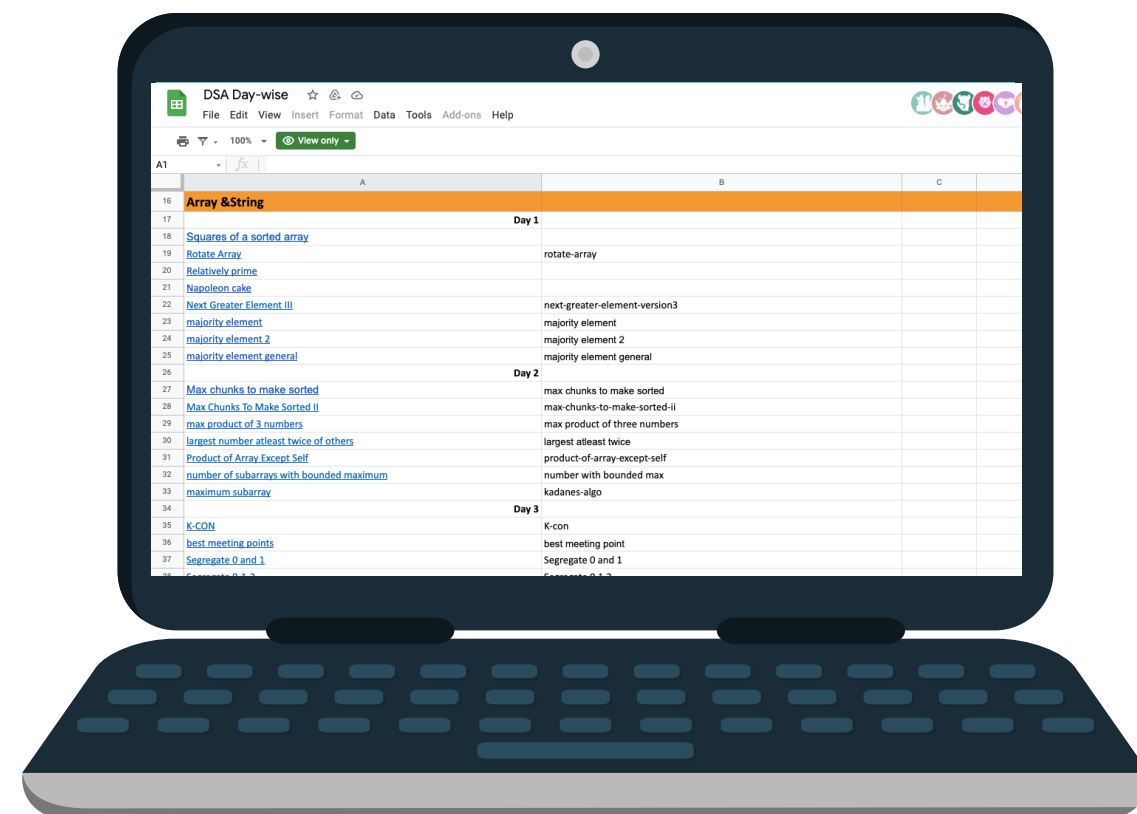OR Leetcode (Selected Questions)

Level Up Questions

For practicing good level questions asked in companies for learning and brushing up all the Concepts

Source:

450 Selected Question Sheet

OR

Interview Bit

Breadth First Approach

Data Structures

1
DS
Iteration

- **Fundamental** of Data Structures
- DS **Core** Algorithm

2
DS
Iteration

- Standard Template Library
- Application based DS Question

3
DS
Iteration

- Level Up Questions

Algorithm

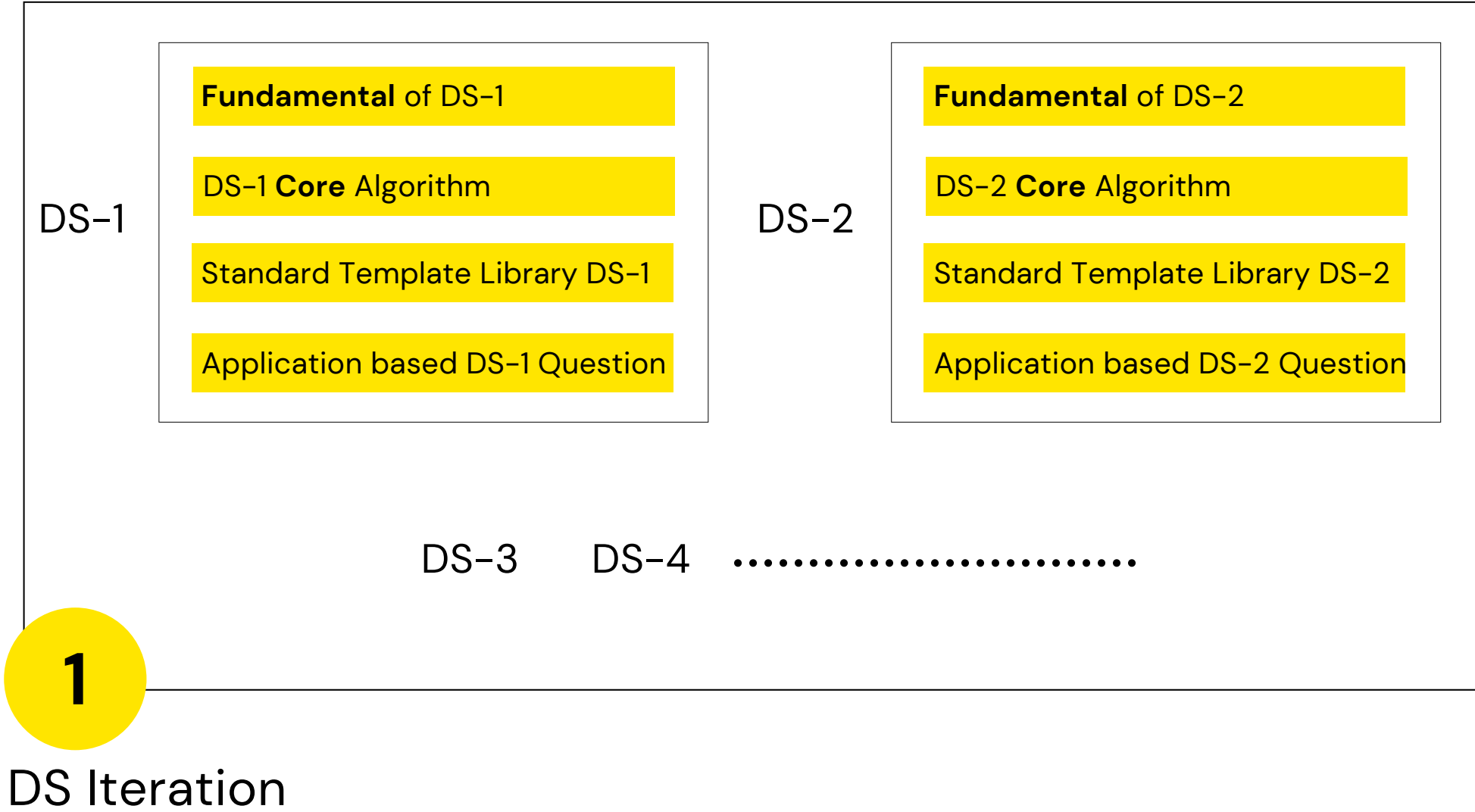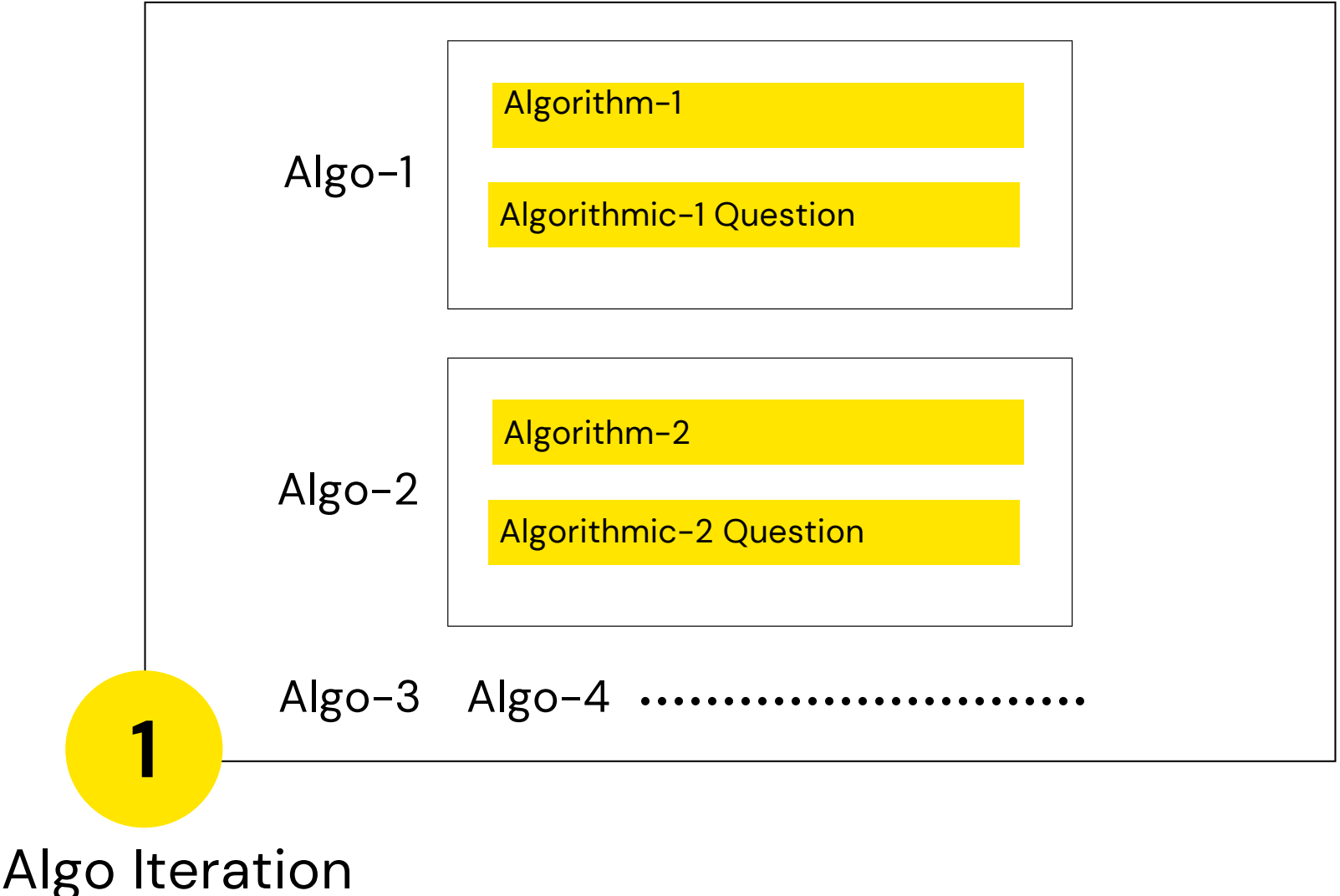**1**
Algo
Iteration

- Algorithm
- Algorithmic Question

My **Preference**

2
Algo
Iteration

Depth First Approach

Data Structures

DS-1

Fundamental of DS-1

DS-1 **Core** Algorithm

Standard Template Library DS-1

Application based DS-1 Question

DS-2

Fundamental of DS-2

DS-2 **Core** Algorithm

Standard Template Library DS-2

Application based DS-2 Question

DS-3   DS-4   ....

1 DS Iteration

Algorithm

Algo-1

Algorithm-1

Algorithmic-1 Question

Algo-2

Algorithm-2

Algorithmic-2 Question

Algo-3   Algo-4   ....

1 Algo Iteration

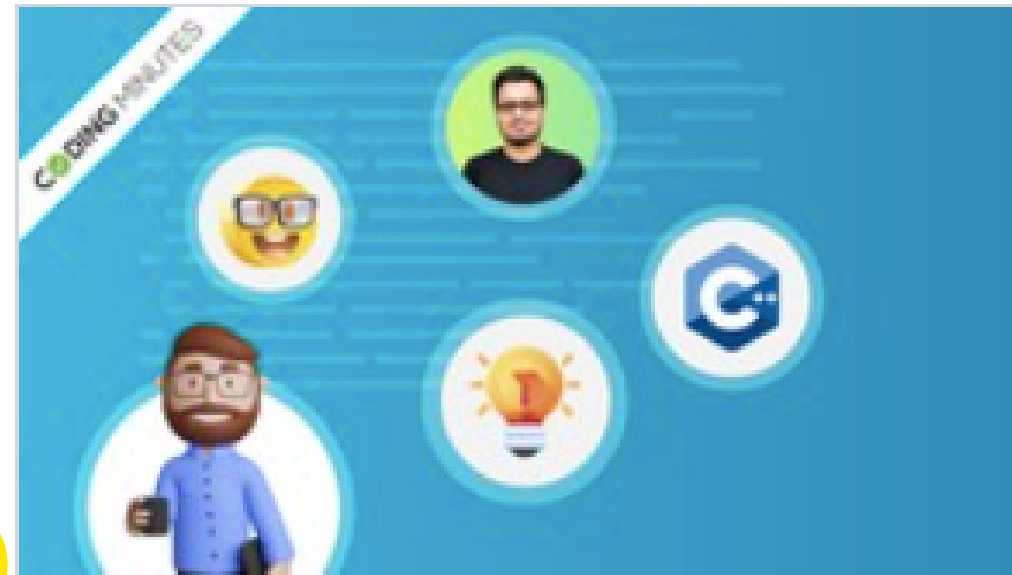**2** DS Iteration

Level Up Questions

2 Algo Iteration

PAID ROADMAP FOR DSA

A COMPLETE Structured Low cost Resource to learn DSA for College & Placements

BF Approach

1

Data Structures & Algorithms Essentials (2021)
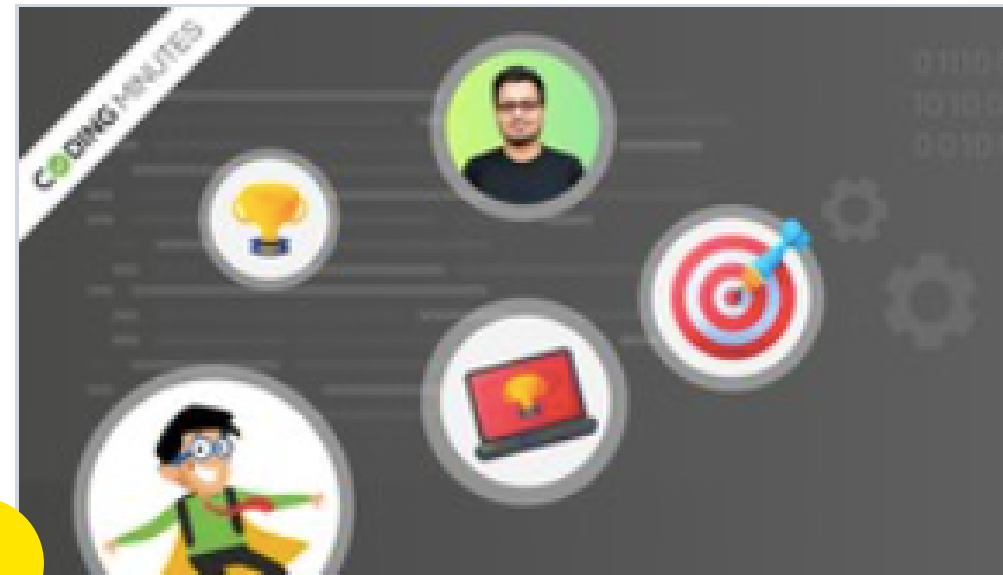
Prateek Narang, Coding Minutes

4.5 ⭐⭐⭐⭐⯪ (729)

27 total hours • 240 lectures • All Levels

Link

- Fundamental of Data Structures
- DS Core Algorithm
- STL
- Algorithm

2

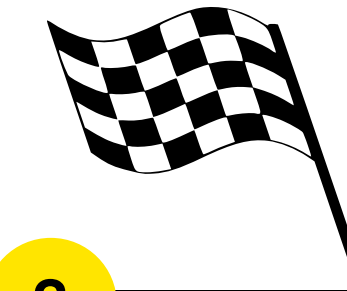### Data Structures & Algorithms, Level-up Course(2021)

Prateek Narang, Coding Minutes

4.6 ⭐⭐⭐⭐⯪ (1,551)

29.5 total hours • 240 lectures • All Levels

Link

- Concept tutorials
- Application based DS Question
- Algorithmic questions

3

DSA PLACEMENT

READY

Level UP

Questions

Practice

Dhanyawad!

Are you ready to **Execute**?