

Cheat Color Co

A Workbook to Get You Started with DSA

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- 1 Which Programming Language Should I Choose?
- 2 Data Structures & Algorithms
- 3 Easy Level Problems
- 4 Medium Level Problems
- 5 Hard Level Problems
- 6 Building Soft Skills
- 7 Bonus: How to Prepare for Interviews

{The Dilemma}

Which Programming Language Should I Choose?



Beginner Problems

Which Programming Language Should I Start With?

Read More



Top 10

Top 10 Programming Languages to Learn

Read More



C++, JAVA or Python

Which one's the Best?

Read More



{Pick your language}



Learn More



Learn More



Learn More



Learn More



Learn More

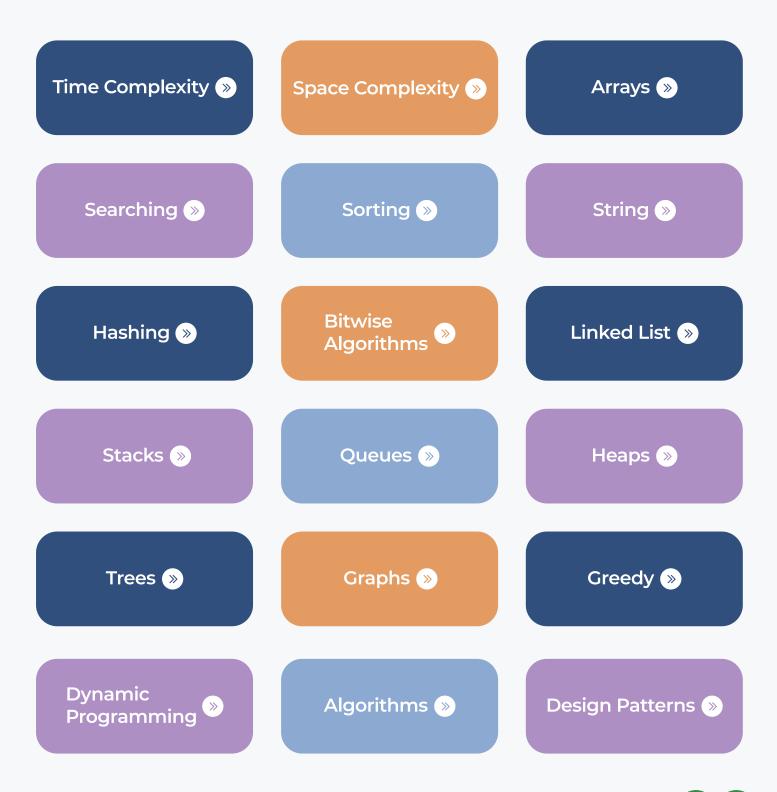


Learn More



{The Frenemy}

Data Structures & Algorithms





{Build your knowledge}

Easy Problems

Use checkboxes to track your progress. Keep practicing, Geek.

Math







Array





Searching







Sorting







Matrix









String







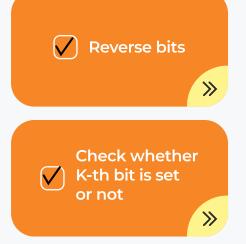
Hashing







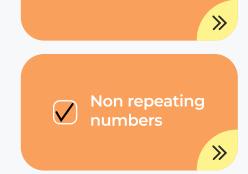
Bit Masking





Consecutive 1's

>>



Sum of two

integers



Linked List

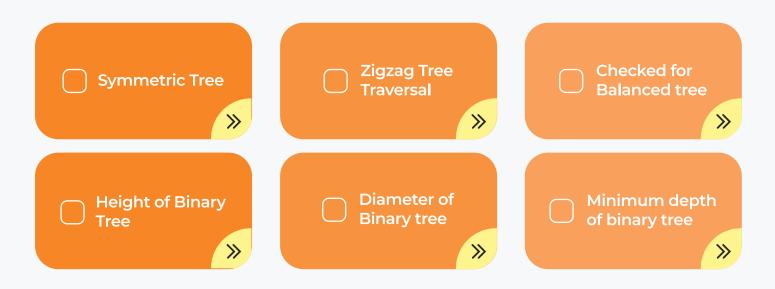




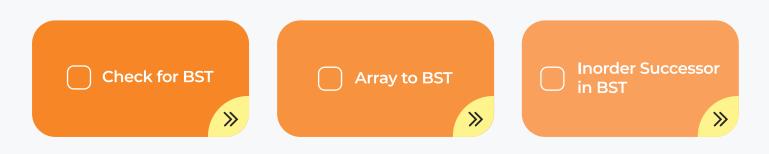
Heap



Binary Tree



Binary Search Tree





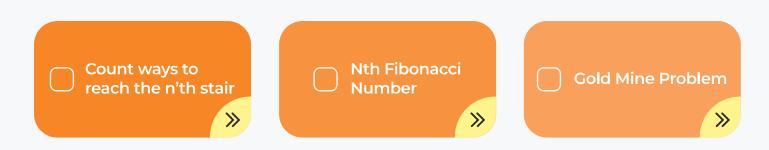
Graph



Greedy



Dynamic Programming





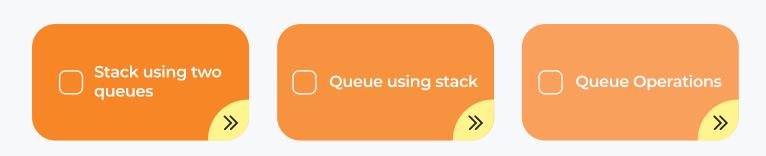
Recursion



Algorithms



Design Patterns





{Let's Step Up a Bit}

Medium Level Problems

Use checkboxes to track your progress. Keep practicing, Geek.

Math

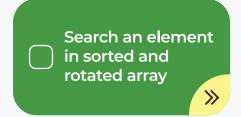


Array





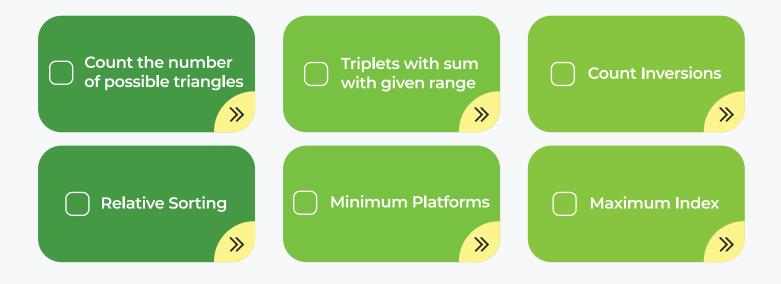
Searching







Sorting



Matrix





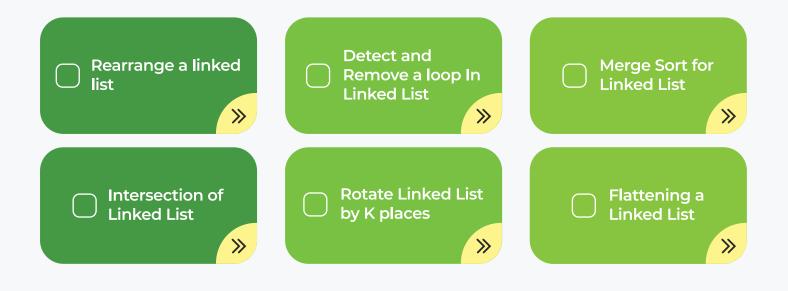




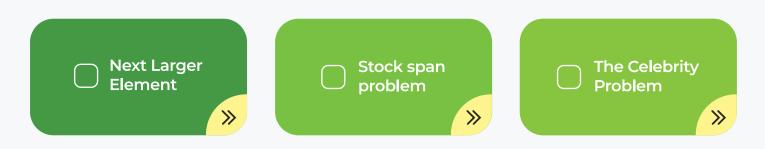
Bit Masking



Linked List

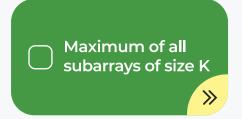


Stack

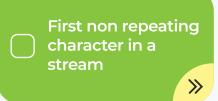




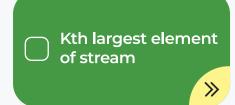
Queue







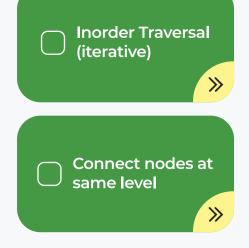
Heap







Binary Tree



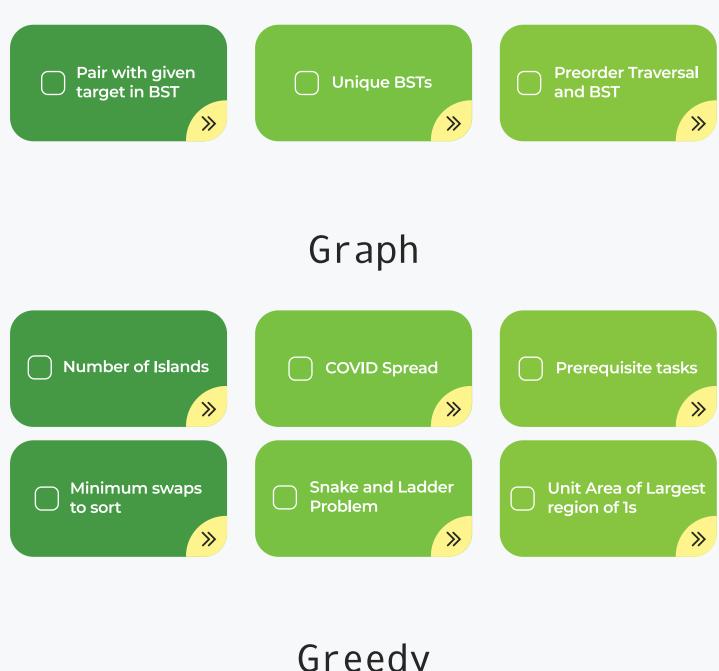
Preorder Traversal (iterative)
»
Boundary Traversal

>>

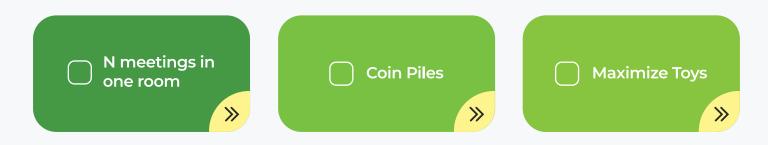
Postorder Traversal (iterative)	
»	
	١
Sum tree	
N N	



Binary Search Tree



Greedy



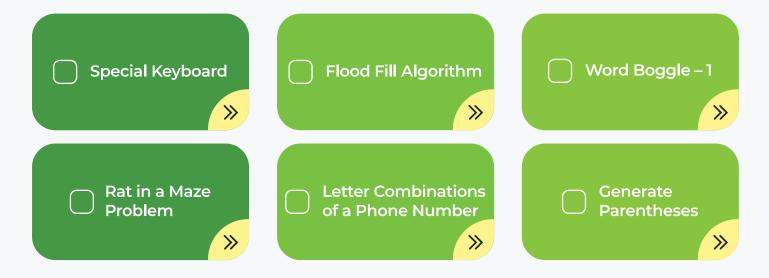




Dynamic Programming

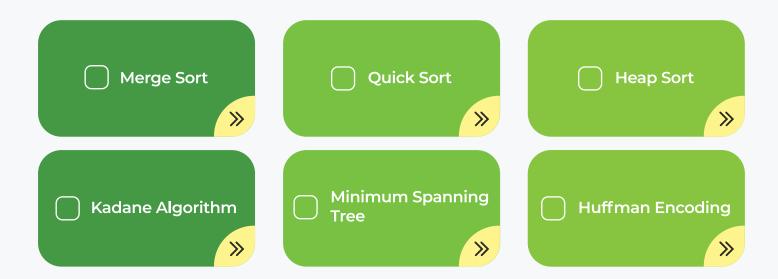


Recursion





Algorithms



Design





{When the Going Gets Tough} Hard Level Problems

Use checkboxes to track your progress. Keep practicing, Geek.

Math

- ☐ Nth Natural Number ≫
- Smallest Positive
 Integer that can
 not be represented
 as Sum
- Generalised
 Fibonacci Number

Array

- Maximum circular
 Subarray Sum
- Merge without Extra Space

>>

Number of subsets
with product less
than K



Searching







String







Bit Masking









Linked List







Stack







Неар









Binary Tree







Binary Search Tree

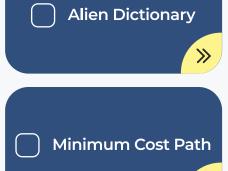






Graph





>>



Word Ladder



Dynamic Programming



Recursion



Algorithms





{The Endgame}

Building Soft Skills

Resume Building-Resources and Tips

Read More



7 Ways to Add Value to Your Resume

Read More



12 Best Resume Do's & Don'ts

Read More





{Bonus}

How to Prepare for Interviews

Tell me about yourself!

Read Answer

What are your strengths & weaknesses?

Read Answer

Why should you be hired?

Read Answer









{Liked the workbook?} Tell us about it!



