

# 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
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# {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

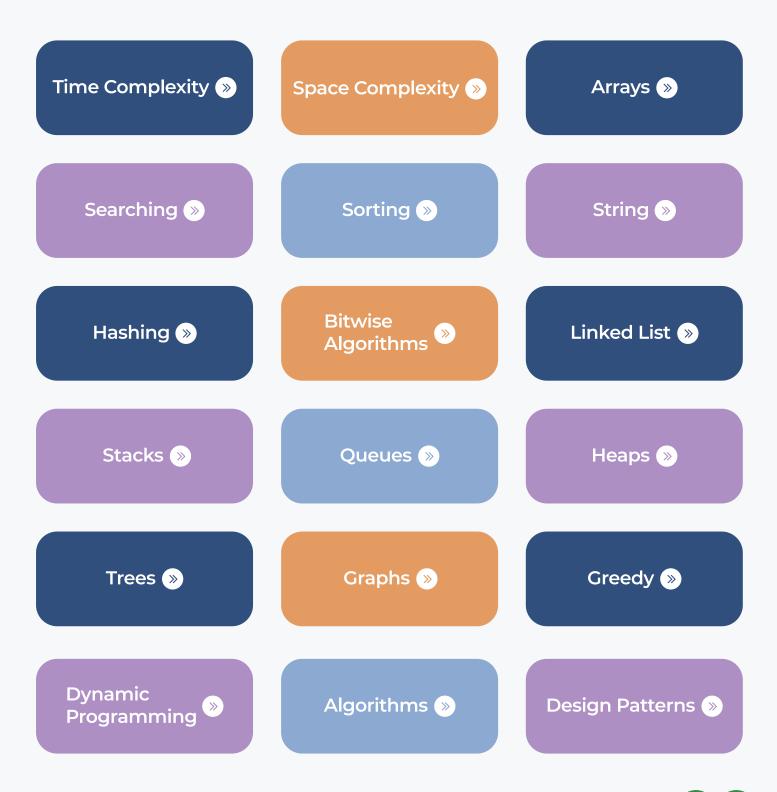


Learn More



# {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





#### Linked List

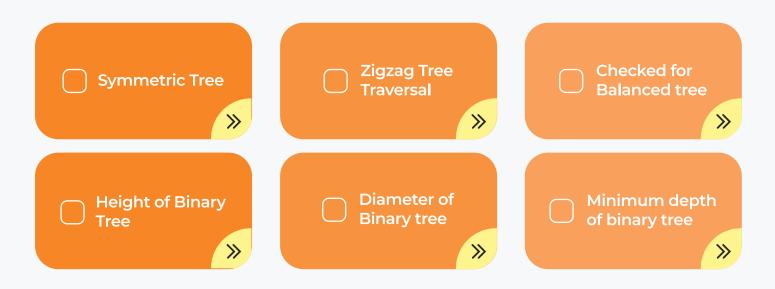




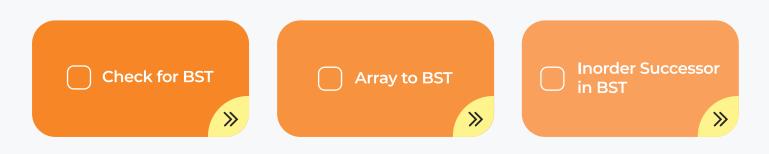
#### Heap



## Binary Tree



# Binary Search Tree

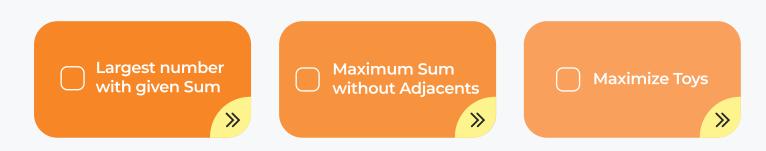




#### Graph



#### Greedy

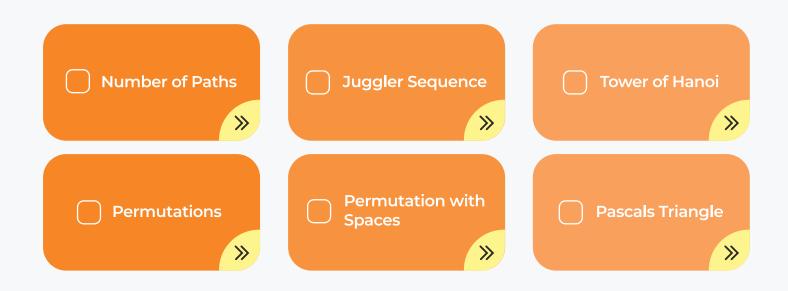


#### Dynamic Programming





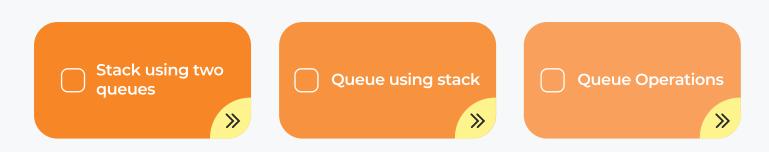
#### Recursion



# Algorithms



# Design Patterns





# {Let's Step Up a Bit}

#### Medium Level Problems

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

#### Math

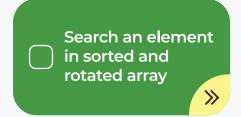


#### Array





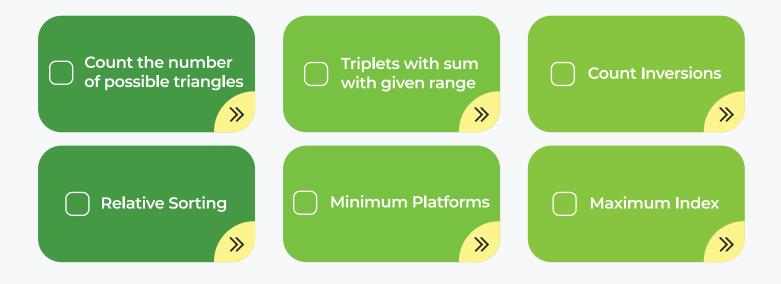
#### Searching







#### Sorting



#### Matrix





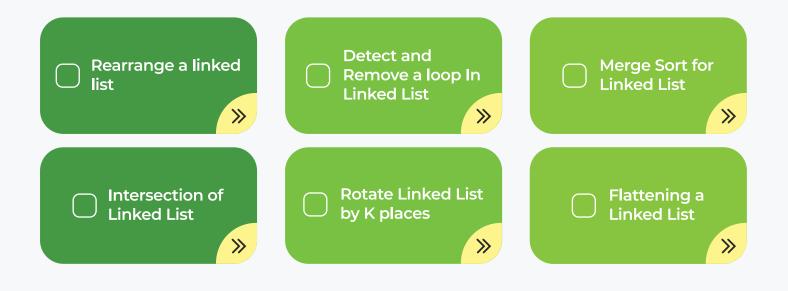




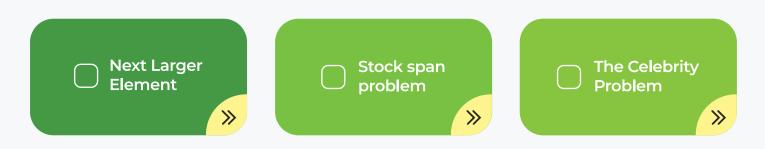
## Bit Masking



#### Linked List

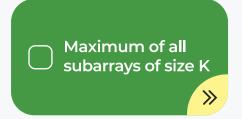


#### Stack

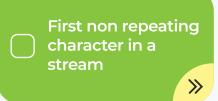




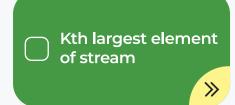
#### Queue







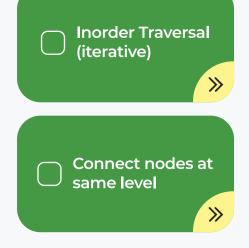
#### Heap







## Binary Tree



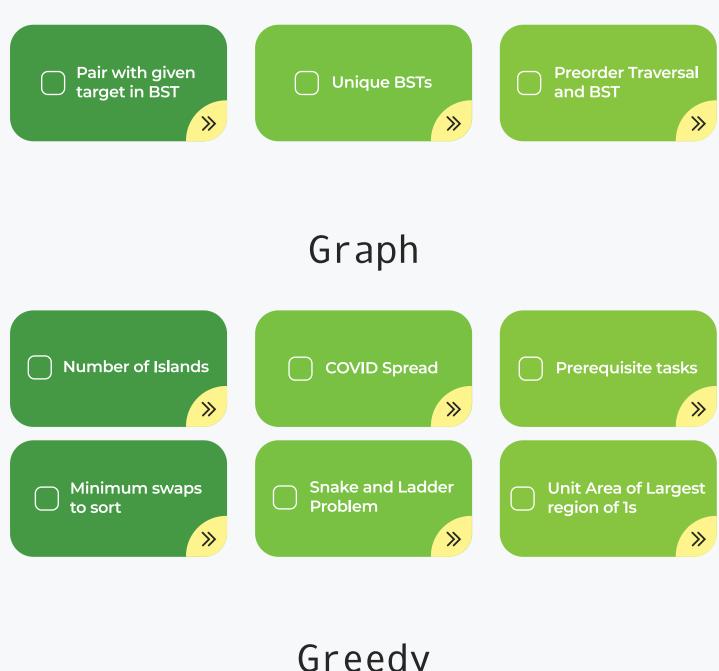
Preorder Traversal (iterative)
<b>»</b>
Boundary Traversal

**>>** 

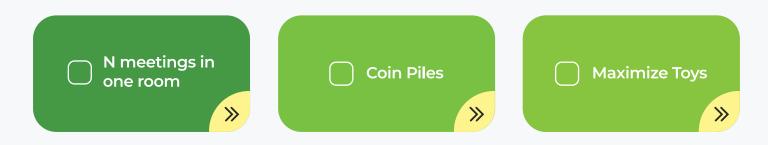
Postorder Traversal (iterative)	
<b>»</b>	
	١
Sum tree	
N N	



#### Binary Search Tree



## Greedy



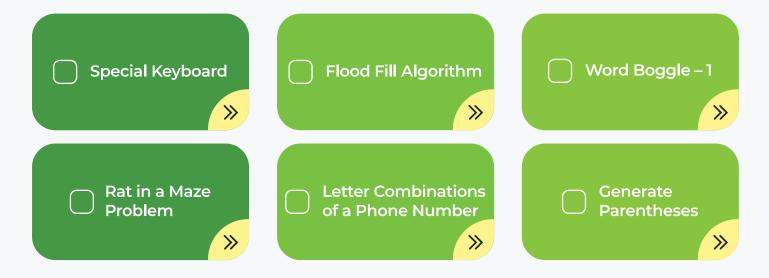




#### Dynamic Programming

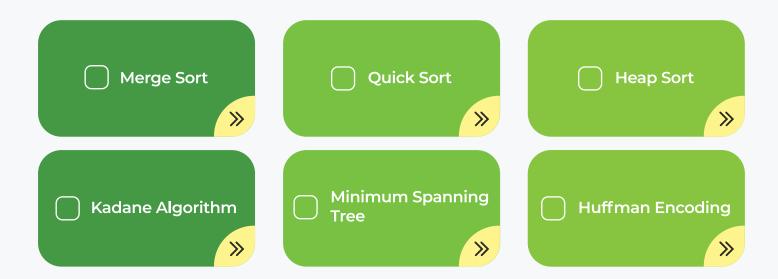


#### Recursion





# 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

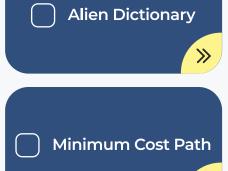






#### Graph





**>>** 



**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!



