BOSSCODER ACADEMY

DSA Planner

Data Structures and Algorithms

90 Days Study Plan to Crack DSA Interview

Download Interactive PDF

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Day 1

Basic Programming Language Revision

Revise the basics of any programming language you feel comfortable coding in

Practice Resource

Day 2-3

Basic Programming Language Revision

Learn Basics of Time Complexity and Space Complexity

Practice Resource

Day 4-8

Arrays

Basic Array Implementations, Arrays Coding Patterns (Two Pointers and Sliding Window)

Practice Resource

Day 9-12

Strings

Basic String Implementations, Famous String Problems like palindromes, anagrams, concatenation etc

Practice Resource

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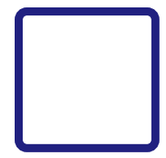
Day 13-16

Searching Algorithms

Implementation and Time Complexities

Practice Resource

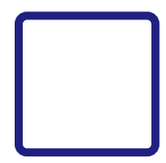


Day 17-20

Sorting Algorithms

Implementation and Time Complexities

Practice Resource

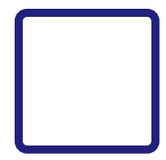


Day 21

Cumulative Test A

Test yourself on all Questions that you couldn't solve in First Attempt

Practice Resource

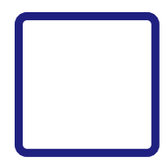


Day 22-25

Recursion

Implementation, Recursive Time Complexity

Practice Resource



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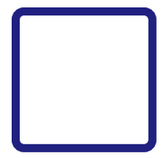
Day 26-29

Hashing

Implementation, Time Complexities, Collision Handling Techniques

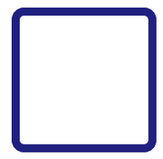


Practice Resource

Day 30-33

2D Arrays

Implementation, Traversals, Multidimensional Arrays

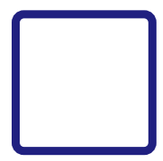


Practice Resource

Day 34

Cumulative Test B

Test yourself on all Questions that you couldn't solve in First Attempt

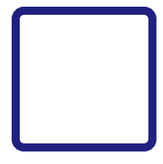


Practice Resource

Day 35-39

Linked List

Implementation, Singly Linked List, Doubly Linked List, Circular Linked List, Two Pointers Methods



Practice Resource

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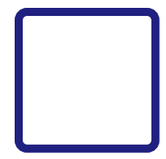
Day 40

Revision Day

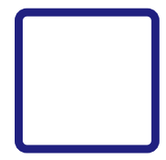
Revise all the questions solved so far



Day 41-44

Bit Manipulation Concepts

Binary Representations, Integer 32 bit format questions, Bit Operations

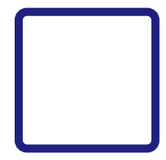


Practice Resource

Day 45-47

Math Concepts for Programming

Permutations and Combinations, GCD, Modulo Arithmetic, Matrices

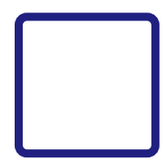


Practice Resource

Day 48-51

Stacks

Implementation, Time Complexities, Recursion Stack Space



Practice Resource

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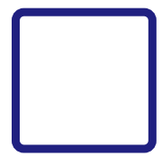
Day 52

Cumulative Test C

Test yourself on all Questions that you couldn't solve in First Attempt

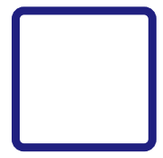


Practice Resource

Day 53-56

Queues

Implementation, Time Complexities

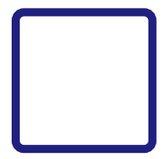


Practice Resource

Day 57-60

Trees

Implementation, Traversals, Trees and their Properties, Recursive Methods

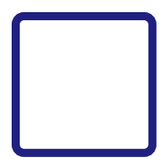


Practice Resource

Day 61-62

Binary Search Tree

Implementation, Properties , Time Complexities



Practice Resource

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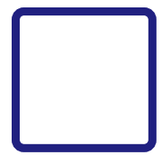
Day 63-66

Trie

Implementation, Properties, Time Complexities, String sorting Problems

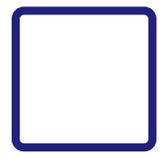


Practice Resource

Day 67

Cumulative Test D

Test yourself on all Questions that you couldn't solve in First Attempt

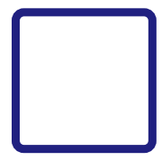


Practice Resource

Day 68-71

Heaps

Implementation,Max Heap, Min Heap,Properties and Time Complexities

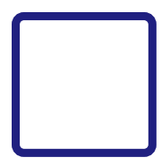


Practice Resource

Day 72-75

Graphs

Implementation, Properties, Traversals, Space and Time Complexities



Practice Resource

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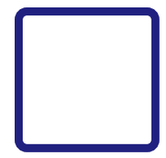
Day 76

Revision Day

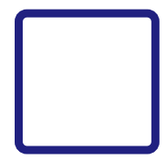
Revise all the questions solved so far



Day 77-81

Greedy Algorithms

Job Sequencing, Knapsack Problem, Minimal Spanning Trees, Dijkstra's Algorithm

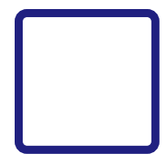


Practice Resource

Day 82-87

Dynamic Programming

Memoization, Tabulation, 0/1 Knapsack, Graph based Problems, Subsequence based Problems

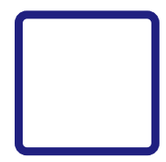


Practice Resource

Day 88

Cumulative Test E

Test yourself on questions that you couldnt solve in first attempt



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Day 89

Revision Day

Revise all the questions solved so far

Day 90

Mock Interview 1

Select 3 questions randomly and solve them in the given time constraint

Practice Resource

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WHY JOIN BOSSCODER?

22 LPA

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Lavanya

Software Developer

"The syllabus is most up-to-date and the list of problems provided covers all important topics. "

Google

Rahul

Software Developer

" I would recommend Bosscoder Academy to anyone who wants to either become an expert in DSA or crack tech giant interviews. "

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