

# DSA Planner

Data  
Structures and  
Algorithms



90 Days Study Plan to Crack  
DSA Interview



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Interactive PDF





## Day 1

### Basic Programming Language Revision

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

## Day 2-3

### Basic Programming Language Revision

Learn Basics of Time Complexity and Space Complexity

## Day 4-8

### Arrays

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

## Day 9-12

### Strings

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



## Day 13-16

### Searching Algorithms

Implementation and Time Complexities

## Day 17-20

### Sorting Algorithms

Implementation and Time Complexities

## Day 21

### Cumulative Test A

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

## Day 22-25

### Recursion

Implementation, Recursive Time Complexity



## Day 26-29

### Hashing

Implementation, Time Complexities, Collision Handling Techniques

## Day 30-33

### 2D Arrays

Implementation, Traversals, Multidimensional Arrays

## Day 34

### Cumulative Test B

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

## Day 35-39

### Linked List

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



## 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

## Day 45-47

### Math Concepts for Programming

Permutations and Combinations, GCD, Modulo Arithmetic, Matrices

## Day 48-51

### Stacks

Implementation, Time Complexities, Recursion Stack Space



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## Day 52

### Cumulative Test C

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

## Day 53-56

### Queues

Implementation, Time Complexities

## Day 57-60

### Trees

Implementation, Traversals, Trees and their Properties, Recursive Methods

## Day 61-62

### Binary Search Tree

Implementation, Properties , Time Complexities



## Day 63-66

### Trie

Implementation, Properties, Time Complexities, String sorting Problems

## Day 67

### Cumulative Test D

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

## Day 68-71

### Heaps

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

## Day 72-75

### Graphs

Implementation, Properties, Traversals, Space and Time Complexities



## 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

## Day 82-87

### Dynamic Programming

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

## Day 88

### Cumulative Test E

Test yourself on questions that you couldn't 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

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