

FULL CURRICULUM • 2026

DSA With Java

Crack the interview that stands between you and the job.

Every module, every lesson — the complete syllabus, end to end.

18

MODULES

95

LESSONS

5

MONTHS

₹17,000

FULL PROGRAMME

What this course covers

1

Level 1 • Beginner

Introduction • Data Types • Loops

1 month • 5 modules • 8 lessons • ₹4,000

2

Level 2 • Intermediate

Array • String • Object Oriented Programming

2 months • 6 modules • 34 lessons • ₹5,500

3

Level 3 • Advanced

HashMap • Recursion • Sorting

2 months • 7 modules • 53 lessons • ₹7,500

The whole journey

This is the complete syllabus for DSA With Java — 18 modules and 95 lessons, in the order you will learn them. The level markers show how far each stage carries you, but the curriculum runs as one continuous path from the first lesson to the last.

1

LEVEL 1

Beginner

Introduction · Data Types · Loops

1 month · 5 modules · 8 lessons · ₹4,000



1. Introduction

2 lessons

- Introduction to DSA with Java

- Introduction and setup



2. Data Types

2 lessons

- Data Types And flow chart 1

- Data Types And flow chart 2



3. Loops

1 lessons

- Loops



4. Questions

2 lessons

- Question (Prime & Reverse)

- Question (Inverse & Rotate a number)



5. Functions

1 lessons

- Functions

Intermediate

Array · String · Object Oriented Programming

2 months · 6 modules · 34 lessons · ₹5,500

- **6. Array** 9 lessons
 - Introduction to Array
 - Array Question
 - Array Ques
 - 2 D Array
 - Question 1
 - Questions 2
 - Two Pointer Sliding Window
 - KMP Algorithm, Stack
 - Kadens Aalgo Python
- **7. String** 2 lessons
 - String
 - String Questions
- **8. Object Oriented Programming** 6 lessons
 - oops
 - static, encapsulation, inheritance
 - Inheritance, Polymorphism, Abstraction
 - Shallow, deep copy, this
 - Dynamic Method Dispatch
 - Toll Booth
- **9. Time Space** 1 lessons
 - Time and Space
- **10. Stack Queues** 6 lessons
 - Stack Questions
 - Nge, Largest Rectangle Histogram
 - Stock Span, Trapping Rain Water
 - Queue
 - Sliding Window Max
 - Conversions
- **11. Linked List** 10 lessons
 - Linked List
 - Reverse Middle
 - Remove nth node, Merge II
 - Odd even delete node
 - Remove duplicate, Delete middle
 - Question, Cycle detection
 - Intersection Reorder
 - Add, Subtract
 - Double Linked List
 - Copy Random Pointer

Advanced

HashMap · Recursion · Sorting

2 months · 7 modules · 53 lessons · ₹7,500

- **12. HashMap** 5 lessons
 - Introduction to HashMap in Java
 - Priority Queue
 - Contains Duplicate Problems Java
 - Hashing Problems in Java
 - Subarray Sum Problems Java Hashing
- **13. Recursion** 7 lessons
 - Recursion Intro
 - Backtracking Problems Palindrome Partitioning, Rat in a Maze & Word Search
 - Merge Sort Divide and Conquer Algorithm
 - Recursion & Backtracking Problems Subsets II, N-Queens & Sudoku Solver
 - Recursion Example Quick Sort
 - Recursion Problems Combination Sum I & II, Subset Sum
 - Recursion Problems Generate Parentheses & Permutations
- **14. Sorting** 1 lessons
 - Sorting Algorithms
- **15. Binary Search** 3 lessons
 - Aggressive Cows, Heaters & Chocolate Distribution
 - Binary Search Problems Rotated Array & Allocation Problems
 - Binary Search Problems Union, 2D Matrix & Pivot Index
- **16. Trees** 8 lessons
 - Binary Search Tree
 - Heap Questions
 - Heap Questions 1
 - Binary Tree Basics & Traversals
 - Binary Tree Practice Problems Part 1
 - Binary Tree Practice Problems Part 2
 - Binary Tree Practice Problems Part 3
 - Binary Tree Practice Problems Part 4

17. Graphs

16 lessons

- Graph Introduction
- Traversals(BFS&DFS)
- Number of province& Number of island
- Flood Fill Algo & Rotten Oranges
- Detect Cycle(bfs & dfs)
- Surrounded Regions & Number of enclave
- Bi-partite graph& directed graph cycle
- Topological Sort(dfs & bfs)
- Detect cycle in directed graph(bfs) & find eventual safe States
- Shortest path(DAG)&Undirected graph
- Word Ladder(I &II)
- Dijkstra Algo
- Bellman ford & Floyd Warshel Algo
- Prims Algo
- Disjoint Set
- Kruskal

18. Dynamic Programining

13 lessons

- Introduction dp
- Climbing Stairs&Frog Jump
- Frog K Jump
- House Robber 1&2
- Unique Paths(1&2)
- Minimum Path Sum&Falling Path Sum
- Cheery pick(1&2)
- Dungen Game & Knight Dialer
- Target Sum & partition
- Min sum partition&perfect sum
- Coin change&unbounded knapsack
- Minimum cost for tickets
- Lcs

Certificates & what comes next

You receive a certificate at the end of every level you finish. Join for a single level or the full programme — the choice is yours. Learners who stand out may be invited to work on live client projects as interns; these places are merit-based, limited, and depend on projects being available.