## Day 1: Basic Concepts and Binary Trees

- **Goal**: Understand the fundamentals of trees and binary trees.
- **Topics**:
  - Definition of a tree, terminology (node, edge, root, leaf, etc.).
  - Binary trees: properties, full, complete, perfect, balanced trees.
  - Tree traversals: pre-order, in-order, post-order, level-order.
  - Binary tree implementation (recursion, iterative).
- **Practice**:
  - Simple tree construction and traversal problems.
  - Online platforms: Solve basic problems on **LeetCode** or **Codeforces**.

## Day 2: Binary Search Trees (BST)

- **Goal**: Master BSTs and their properties.
- **Topics**:
  - Definition and properties of BST.
  - Insert, delete, and search operations.
  - Time complexity analysis.
  - Validate a binary search tree.
- **Practice**: