

## Graph/Trees Ultimate Free Course Incoming | Full Overview

## All the Tree/Graph Terminologies Explained | CP Course | EP 68

## How To Represent Trees and Graphs in Code | Adjacency Matrix & List | CP Course | EP 69

## Depth First Search | DFS : The Only Tutorial You need | CP Course | EP 70

<https://cp-algorithms.com/graph/depth-first-search.html>

## How to find Connected Components and Cycle in a Graph using DFS | CP Course | EP 71

<https://www.hackerearth.com/problem/algorithm/connected-components-in-a-graph/>  
<https://practice.geeksforgeeks.org/problems/find-the-number-of-islands/1/?category>  
<https://www.interviewbit.com/problems/cycle-in-undirected-graph/>  
<https://practice.geeksforgeeks.org/explore/?category%5B%5D=DFS&page=1&category%5B%5D=DFS>  
<https://leetcode.com/problems/number-of-islands/>

## How To Solve Graph Matrix Problems using DFS | Leetcode Flood Fill | CP Course | EP 72

<https://leetcode.com/problems/longest-increasing-path-in-a-matrix/>  
<https://leetcode.com/problems/pacific-atlantic-water-flow/>  
<https://leetcode.com/problems/island-perimeter/>  
<https://leetcode.com/problems/flood-fill/>

## How to DFS in a TREE | Height and Depth of a TREE | CP Course | EP 73

## Pre-Computation using DFS | Subtree Queries | CP Course | EP 74

## How to find Diameter of a Tree | CP Course | EP 75

## How to find Lowest Common Ancestor(LCA) in a Tree | CP Course | EP 76

## Edge Deletion Questions using DFS | Must Know Concept | CP Course | EP 77

<https://www.interviewbit.com/problems/delete-edge/>

## Breadth First Search | BFS : The Only Tutorial You need | CP Course | EP 78

<https://codeforces.com/blog/entry/8561>

<https://cp-algorithms.com/graph/breadth-first-search.html>

<https://www.hackerearth.com/practice/algorithms/graphs/breadth-first-search/practice-problems/>

## How to find Shortest Path using BFS | SPOJ NAKANJ | CP Course | EP 79

<https://www.spoj.com/problems/NAKANJ/>

<https://codeforces.com/blog/entry/8561>

## 0-1 BFS: What is it, How to Code with Example Question | CP Course | EP 80

[https://cp-algorithms.com/graph/01\\_bfs.html](https://cp-algorithms.com/graph/01_bfs.html)

<https://www.codechef.com/problems/REVERSE>

## Multi Source BFS: Tutorial with Code & Example Question | CP Course | EP 81

<https://codeforces.com/blog/entry/54310>

<https://www.codechef.com/SNCKPB17/problems/SNSOCIAL/>

## Dijkstra Algorithm: Tutorial with Code & Example Question | CP Course | EP 82

<https://leetcode.com/problems/network-delay-time/>

<https://cp-algorithms.com/graph/dijkstra.html>

## Floyd Warshall Algorithm: All Pair Shortest Path | Tutorial with Code | CP Course | EP 83

<https://cp-algorithms.com/graph/all-pair-shortest-path-floyd-warshall.html>

## Floyd Warshall Must Solve Question | Medium Hard | CP Course | EP 84

<https://codeforces.com/problemset/problem/295/B>

## Disjoint Set Union (DSU) Tutorial with Code | CP Course | EP 85

## Disjoint Set Union Practice Questions | Code Monk | CP Course | EP 86

<https://www.hackerearth.com/challenges/competitive/code-monk-disjoint-set-union/problems/>

[https://cp-algorithms.com/data\\_structures/disjoint\\_set\\_union.html](https://cp-algorithms.com/data_structures/disjoint_set_union.html)

## Kruskal's Algorithm: Minimum Spanning Tree Tutorial | CP Course | EP 87

[https://cp-algorithms.com/graph/mst\\_kruskal.html](https://cp-algorithms.com/graph/mst_kruskal.html)