

CS 254 - Design and Analysis of Algorithms Lab, Assignment -6

(To be submitted by 19 February , 2024)

1. Given a Directed Acyclic Graph (DAG) with V vertices and E edges, Find Topological Sorting of that Graph.
2. Given a directed acyclic graph G with N vertices and M edges. The task is to find the length of the longest path in Graph.
3. Find strongly connected components from a directed graph.
4. Determine the existence of loop in a directed graph.
5. Find if a directed graph contains articulation nodes and bridges.