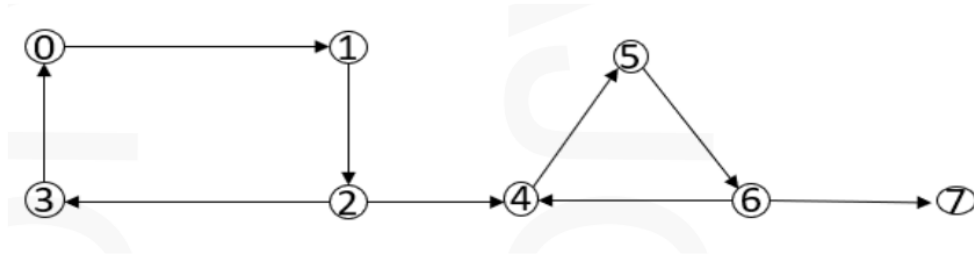


CSE 3512 – Algorithm Design and Analysis
Lab 7
Applications of DFS

1. Write a C++ program to find all the strongly connected components in the given directed graph.



2. You are given a directed acyclic graph (DAG) representing N tasks, where:
- Each node corresponds to a task.
 - A directed edge (u,v) indicates that task u must be completed before task v .

Write a C++ program to determine a valid order to complete all tasks. If multiple valid orders exist, any one of them is acceptable.

