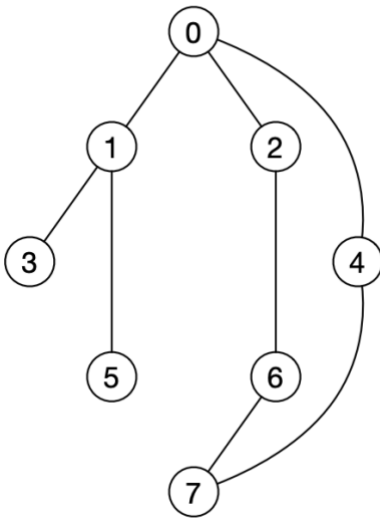# CSE 4310 – Worksheet4
Graph Algorithms- Basics and Traversal(BFS)

1. (50 pts) [**Graph Traversal and representation-Undirected**] For the following graph below:
    a. Write down the Adjacency matrix representation
    b. Write down the Adjacency List representation
    c. Generate the BFS tree using Queue
    d. Label Cross Edges if exists

2. (50 pts) [**Graph Traversal and representation-Directed**] For the following graph below:

   a. Write down the Adjacency matrix representation
   b. Write down the Adjacency List representation
   c. Generate the BFS tree using Queue
   d. Label Cross Edges if exists