

(ASSIGNMENT 11: BFS DFS)

WAP to create a random graph(directed and undirected) as per the user input and do the following operation:

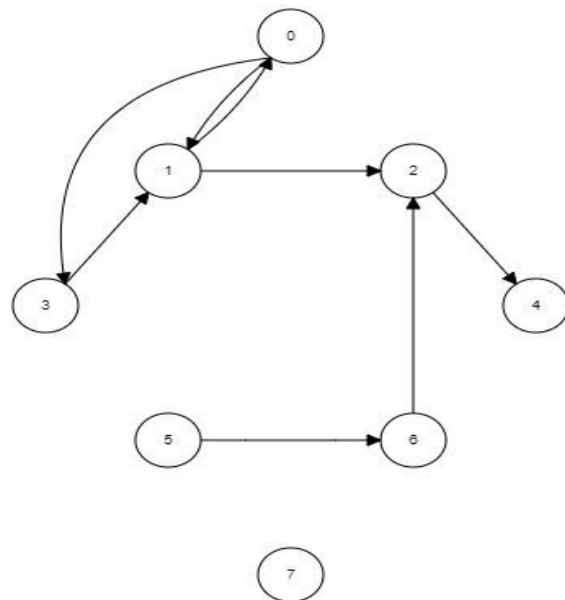
- What is the type of the grammar(Directed or Undirected)
- Find the path of BFS from a given input
- Find the DFS from a given input

For example:

Enter the number of nodes for the graph: 8

(Print any one shape as shown in below for the random graph:)

	0	1	2	3	4	5	6	7
0		1		1				
1	1		1					
2					1			
3		1						
4								
5							1	
6			1					
7								



Type any case (1. Type of the grammar; 2: BFS; 3: DFS)

1

The graph is Undirected

Type any case (1. Type of the grammar; 2: BFS; 3: DFS)

2

BFS: Type any element form where to start the path: 5

5 6 2 4

Type any case (1. Type of the grammar; 2: BFS; 3: DFS)

3

DFS: Type any element form where to start the path: 6

6 2 4