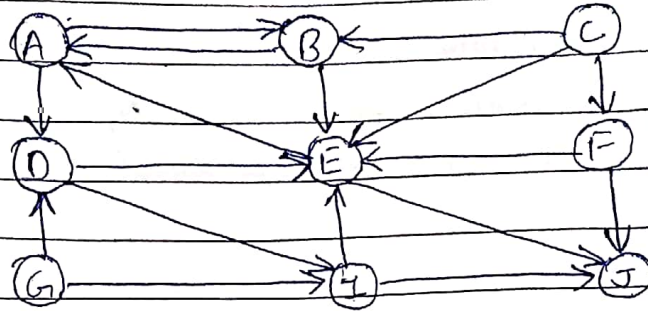


Assignment

DATE:

PAGE:

1)

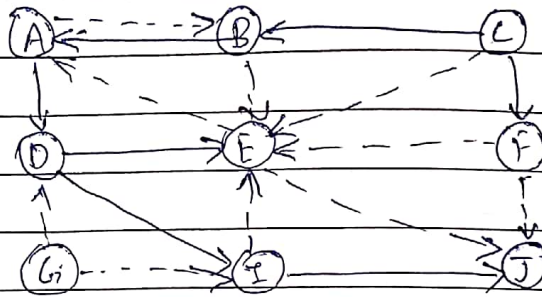


DFS :-

G	9, 9
F	8, 7
E	7, 3
J	6, 1
I	5, 2
D	4, 4
A	3, 5
B	2, 6
C	1, 8

DFS traversal :-

C B A D I J E F G

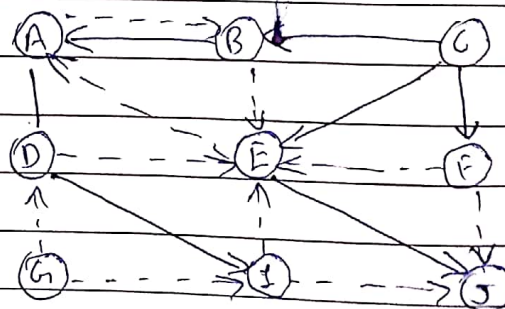
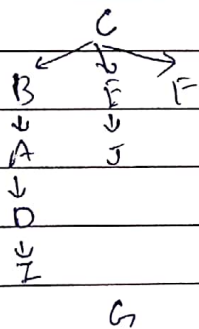


output graph

Stack contents

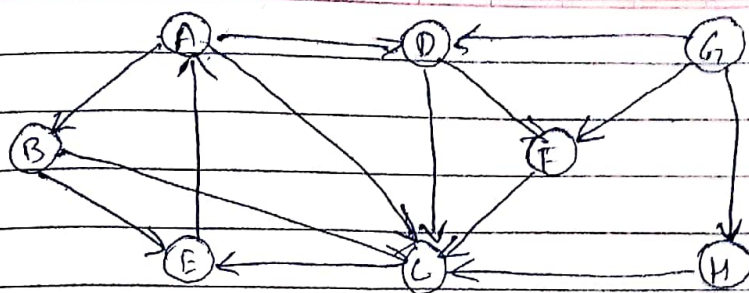
BFS :-

Queue | C_{1,1} | B_{2,2} | E_{3,3} | F_{4,4} | A_{5,5} | J_{6,6} | D_{7,7} | I_{8,8} | G_{9,9} |



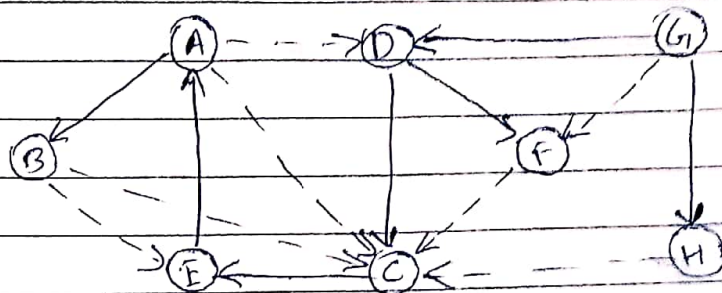
BFS traversal :- C B E F A J D I G

2)



DFS :-

H	8, 7
F	7, 5
B	6, 1
A	5, 2
E	4, 3
C	3, 4
D	2, 6
G	1, 8

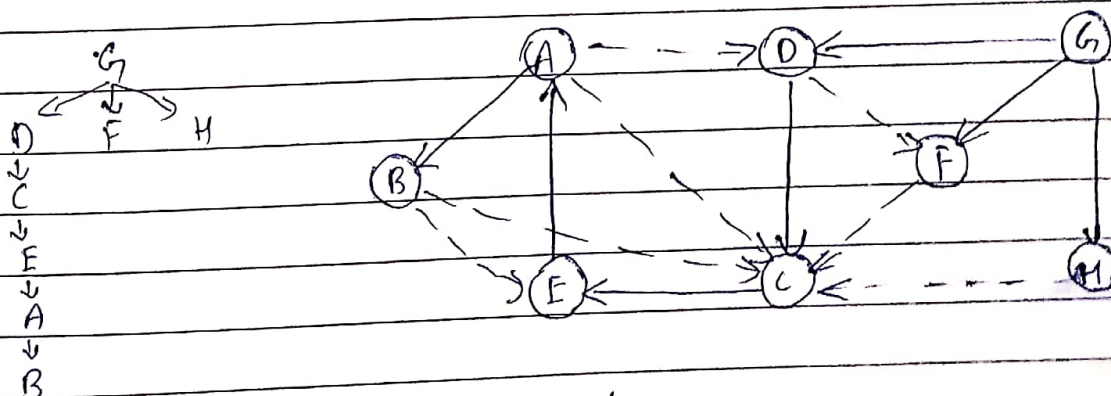
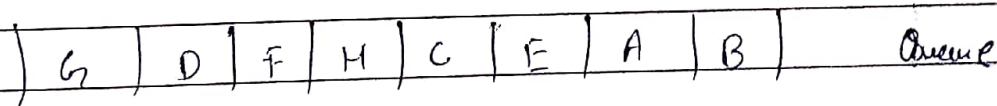


DFS traversal :-

G D C E A B F H

stack contents

BFS :-



BFS traversal :-

G D F H C E A B