

Stack :-

$e_{h,1}$

$c_{3,2}$

$b_{2,3}$

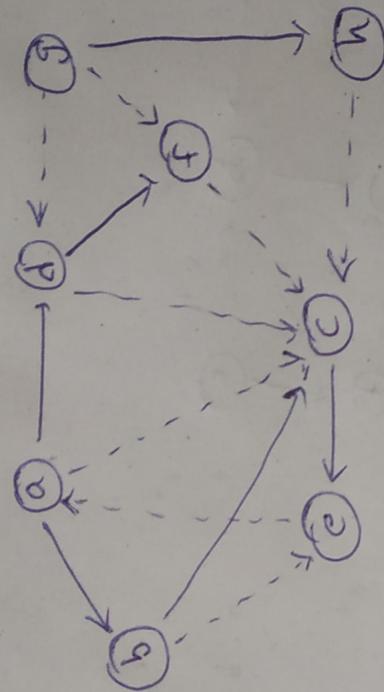
$a_{1,2}$

$f_{6,5}$ $h_{8,7}$

$d_{5,5}$

$g_{7,8}$

Graph



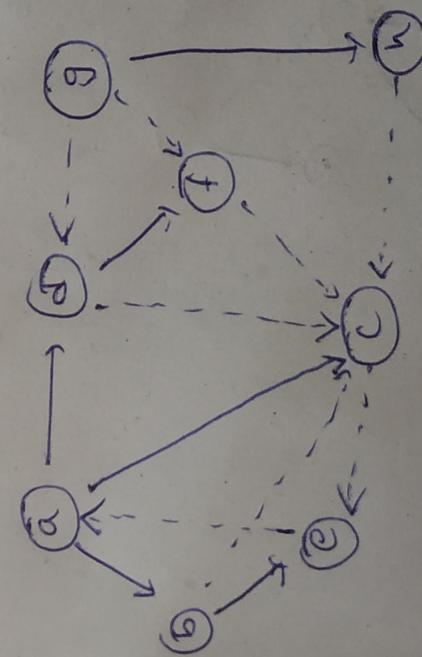
DFS traversal :-

a → b → c → d → e → g → h

Queue :-

a, b₂, c₂, d₂, e₂, f₆, g₇, h₈

Graph :-



ASSIGNMENT - 2

(i) DFS :-

a b e i d i c f g

Stack :-

i x₁

e 3,2

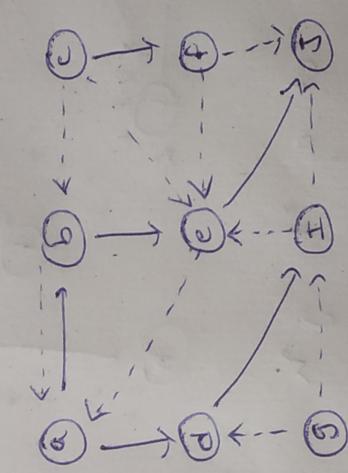
b 2,3

a 1,6 i 6,4 f 8,17

c 7,8

d 5,5

Graph :-



BFS :- a b c d e f g

Queue :- a, b, c, d, e, f, g

Graph :-

