

LABORATORY WORK SHEET

Name of the Student: Muhd Fauzon Zohaib			7	. 4						
Class B tech CSE Semester II		Roll Number								
Course Code: ACSDO6 Course Name: PP5 Lab	2	3	9	5	1	A	0	5	5	+1
Name of the Course Faculty Do M. Madhusud ham Reddy	boo			Fa	culty	/ID:				
Exercise Number: 9 Week Number: 10					ate :					

DAY TO DAY EVALUATION:

Marks	Aim /	Algorithm / Procedure	ithm / Procedure Source Code		Viva -	
	Preparation	Performance in the Lab	Calculations and Graphs	Results and Error Analysis	Voce	Total
Max. Marks	4	4	4	4	4	20
Obtained	4	Ч	Ч	Ч	Ч	20

Signature of Faculty

START WRITING FROM HERE:

9.1 Breadth first search:

mv, ne = list(map(int, input (). split ()))

edges = []

for i in Hange Chet:

edge = list(map(int, input(). split ()))

edges append (edge)

adj_list = Ev: [] for vin Hange (nv)?

fox v,, v2 in edges:

adj_list (v,J.append (v2)

start = int (input())

6fs = []

S = [stant]

W'

```
while (len (5) >0):
   ele = s. pop (o)
   if ele is not bfs:
       bfs. append (ele)
   for j'in stange adj_list[ele]:
        if J imot in bfs:
           S. append (i):
print (" 645)"
Input:
46
0 1
0-2 1
1 2
2 3
1
output:
1 2 03
```

9

ac

fo

5to

H5

s

Pal

4

0

2/4

```
9.2 Depth fixst search -
nv, ne = list (map (int, input (), split (", ")))
edges = []
for i in Hange (ne);
     edge = list (map(int, input (), split ()))
     edges. append (edge)
adj_list = [v:[] for v in range (nv) }
for v, v2 in edges:
 adj-list [vi] append (vz)
start = int (input))
HS = 13
s = [start]
while (len(s) >0):
     ele = 5. pop ()
     if ele not in dfs:
         Afs. append (ele)
     for j in adj_list [ele][:::-1].
         it j not in dfs:
              5, append (j)
 print (* df's).
                     outputir
 Input:
                     1 203.
    1
```