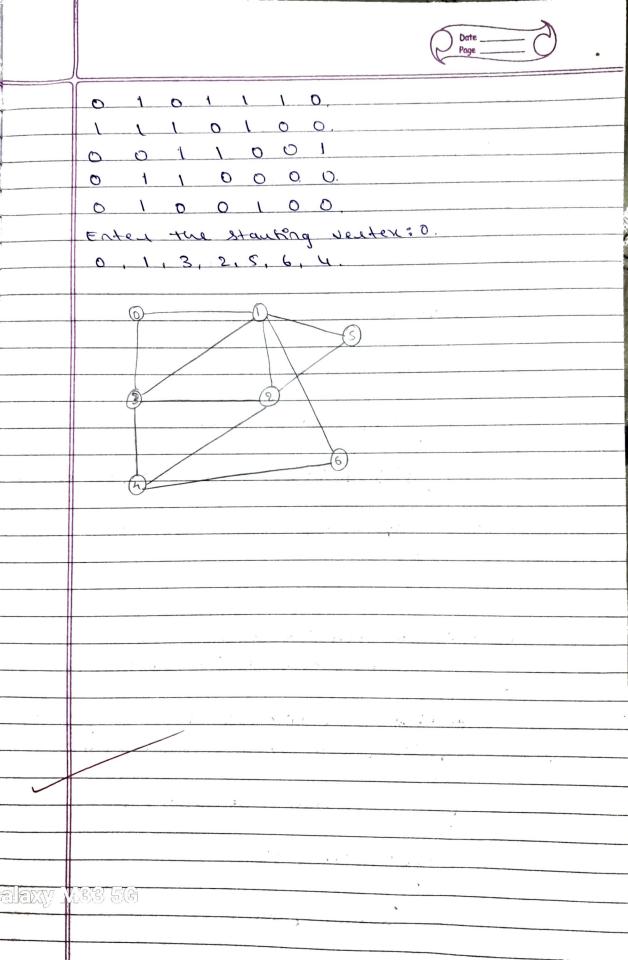
<u> </u>	Date Page
20/2/29	
	Week-9.
	BES
	BE2
	#include < stdlo. h>
	# depône MAX-VERTECES 10.
	int n. e. f. visted [MAX_VERTICES],
	queue CMAX_VERTICES), pront=0, rear=0;
	ent adjEMAX_VERTRCES][MAX_VERTRCES];
•	
	void bys (int v)
	{
	visited [V] = 1;
	queue [seas ++]=V:
	while (pront < rear)
	ent : coursent = queue [front + +];
1	punt (" %d / t", cused);
	pox(Pot (=0; icn; i++)
<i>!</i>	J
	ij (adjEcussentJEj) ffjvilited[i])
	8
	visited CiJ=1;
	queue [rear ++] = 1;
	3
	3
	- S
	3
1	ent main ()
	Ş
	int vi
	punder "Enter the number of vertices: ");
	scanf ("./.d", &n):
(salaxy	M33 5G

pa(1=0; 9cn; 1++)	
9	
Yess ted [?] = o;	
3	
prints ("Enter graph data en matri	
form: /u,	X
101(120; 1cn; 1++)	
par(9=0; 9 <n; 9++)<="" th=""><th></th></n;>	
scarf(".1.d", +ad; (:)[;);	
printf("Enter the starting venter:	410
Scarf (401. dy, 8v);	
bys (v);	
pa(1=0; 12n; 1++)	
Ş	
(C)Visited [?)	
\$	
punty ("In BFS & not possible.	
Not all rodes are	,
reachable. \n")?	
seturo;	
3	
· ·	
returo;	
<u>9</u>	
output	
Enter the muchan a meners	
Enter the number of vertices. I	
Enter graph data in matrix point:	
Enter graph data in matrix poin:	



DFS
 #include estatio. h>
 # Paclude < stdbool. h>
define MAX-NERTICES 10.
void als cent graph EMAX-VERTICES]
[MAX_VERTECES, Port num_veuxices]
bobl visited (MAX-VERTICES), int venters
\$
vesited Evertex] = true;
ent e;
forciso; icnum-verkces; ++i)
£ , , , , , , , , , , , , , , , , , , ,
8) (graph [vertex][?]==1 & \$ 1,022 ted [?])
2
dys(graph, neum-vertices, visited, i);
3
3
3
bool es-connected (int graph[MAX-VERTACES)
[MAX-VERTICES], int num ve vecas)
t
bot bal visited [MAX_VERTECES]= & Jalse &:
des Equaph, num-ventices, vesited, or:
ration,
pulizo; is num-ventices; ++i)
 <u> </u>
(diversedeis)
 3
Jehun false;
ž

Date
3
return ture;
3
ent maine
ent num-veutres;
punt ("Enter the number of ventices:");
sconf (" % d", & num-ventress);
TWAY WERTACES JEMAY - VERIACE
night ("Enter the adjacency "
par (°=0: °= numeventices; ++°)
c
paljeo; jenum-ventres, ++j)
٤
Scarf (":/d", & graph ("JC=J);
3
g
P(Cis-connected (graph, num-ventices)).
il in specified of the second
prenty ("The graph is connected. \n");
y
else & punty ("The graph is not connected. \n"); y
purity the gest
y Si
y veduro :