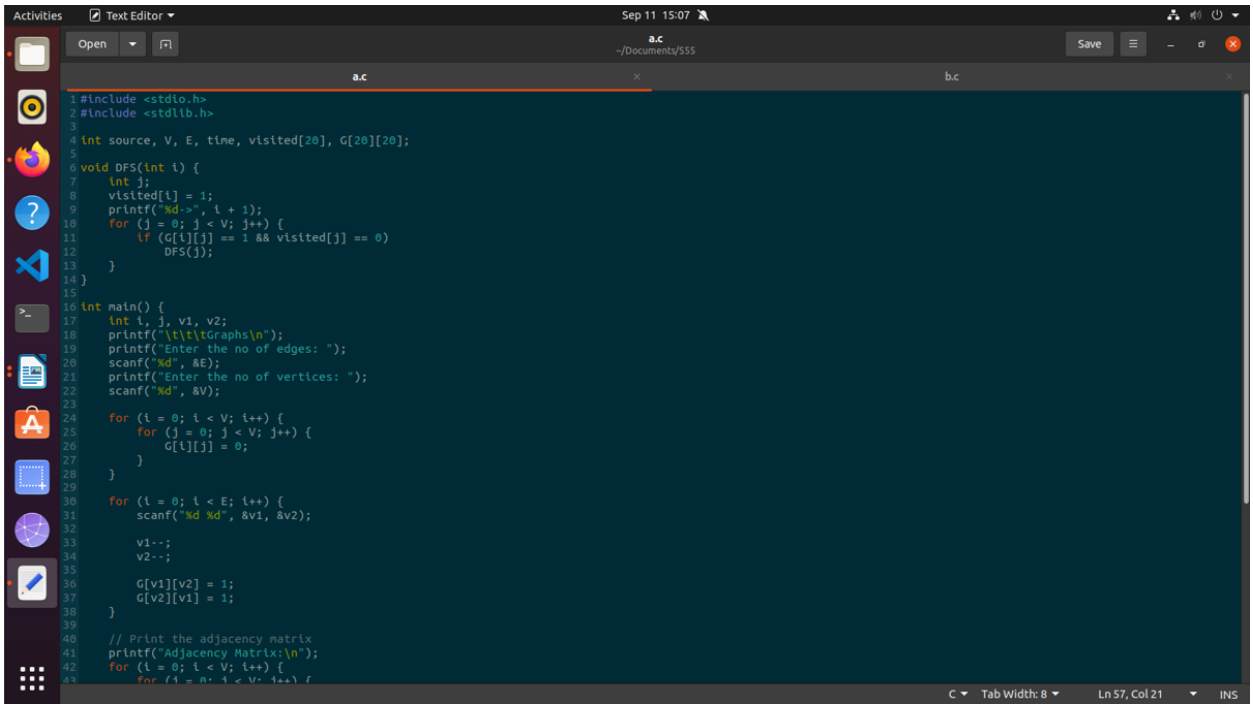
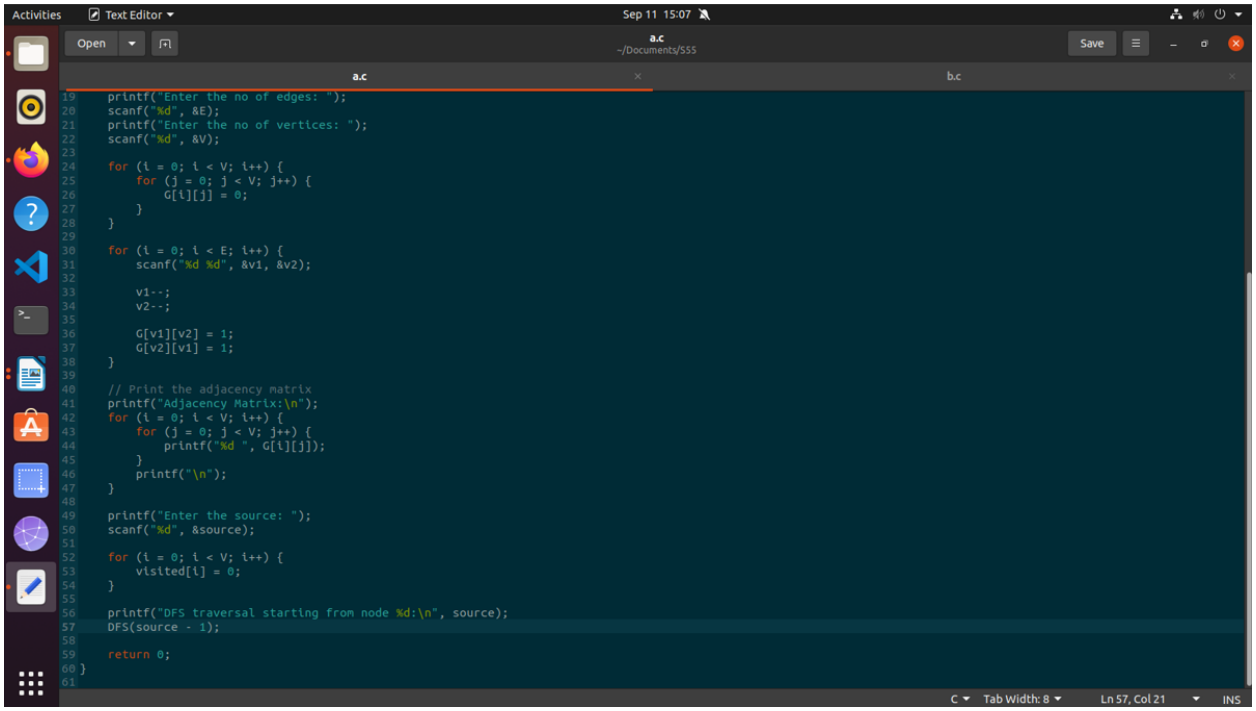
EXP 07
SANSKAR SRIVASTAVA
57
DFS

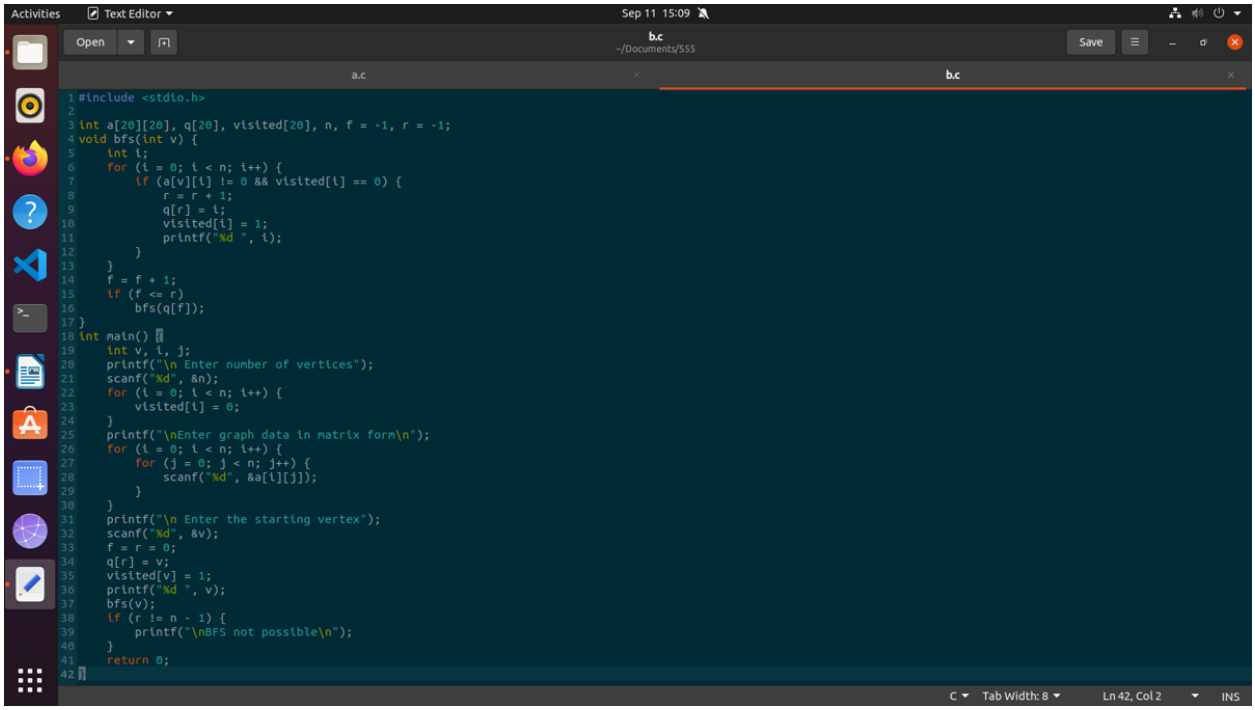




Output:

```
itl4@22DL407:~$ gedit exp9.c
^C
itl4@22DL407:~$ gcc exp9.c
itl4@22DL407:~$ ./a.out
                        Graphs
Enter the no of edges:8
Enter the no of vertices:9
Enter the edges (format: V1 V2) : 1 2
Enter the edges (format: V1 V2) : 8 3
Enter the edges (format: V1 V2) : 7 5
Enter the edges (format: V1 V2) : 1 4
Enter the edges (format: V1 V2) : 6
8
Enter the edges (format: V1 V2) : 1 6
Enter the edges (format: V1 V2) : 7 2
Enter the edges (format: V1 V2) : 1 0
 0  1  0  1  0  1  0  0  0
 0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0
 0  0  0  0  0  0  0  1  0
 0  1  0  0  1  0  0  0  0
 0  0  1  0  0  0  0  0  0
 0  0  0  0  0  0  0  0  0
Enter the source: 7
itl4@22DL407:~$
```

Bfs:



Output:

```
itl4@22DL407:~$ gedit exp9.1.c
^C
itl4@22DL407:~$ gcc exp9.1.c
itl4@22DL407:~$ ./a.out

 Enter number of vertices5

Enter graph data in matrix form
0 1 0 0 1
1 0 1 1 1
0 1 0 1 0
0 1 1 0 1
1 1 0 1 0

 Enter the starting vertex3
31240
itl4@22DL407:~$ gedit exp9.1.c
```