**AIM:**

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| Write the python program to implement DFS.  **PROGRAM:** |

**INPUT:** Enter the number of edges: 6

Enter the edges (each edge on a new line):

1 2

1 3

2 4

2 5

3 6

3 7

Enter the starting node: 1

**OUTPUT:** DFS starting from node 1: [1, 2, 4, 5, 3, 6, 7]

**RESULT:** Program to implement DFS is successfully executed and verified.