Python program for DFS

def dfs(graph, node, visited=None):

if visited is None: visited=set()

if node not in visited:

print(node, end=" ")

visited.add(node)

for n in graph[node]:

dfs(graph, n, visited)

graph = {

'A': {'B','C'},

'B': {'A','D','E'},

'C': {'A','F'},

'D': {'B'},

'E': {'B','F'},

'F': {'C','E'}

}

dfs(graph,'A')

Output

A B E F C D