7. Write the Python Program to Implement DFS.

def dfs(graph, start):

visited, stack = set(), [start]

while stack:

node = stack.pop()

if node not in visited:

print(node, end=" ")

visited.add(node)

stack.extend(reversed(graph[node]))

graph = {

'1': ['2','3'],

'2': ['4','5'],

'3': ['6'],

'4': [],

'5': ['6'],

'6': []

}

dfs(graph, '1')

