**Exp: 8 Write the Python Program to Implement DFS**

**Input:**

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

    if visited is None:

        visited = set()

    visited.add(start)

    print(start, end=" ")

    for neighbor in graph[start]:

        if neighbor not in visited:

            dfs(graph, neighbor, visited)

graph = {

    0: [1, 2],

    1: [0, 3, 4],

    2: [0],

    3: [1],

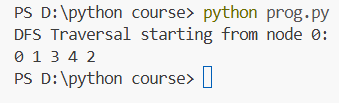
    4: [1]

}

print("DFS Traversal starting from node 0:")

dfs(graph, 0)

**output:**

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