```
In [1]: # BFS
        'D':['B', 'E'],
                'E':['A', 'D', 'B'],
                'C':['A', 'F', 'G'],
                 'F':['C'],
                'G':['C']
                }
        visited = []
        queue = []
        def bfs(visited, graph, start_node, goal_node):
            visited.append(start_node)
            queue.append(start_node)
            while queue:
               m = queue.pop(0)
               print(m)
               if m == goal_node:
                   print("Node is Found !!! ")
                   break
               else:
                   for n in graph[m]:
                       if n not in visited:
                           visited.append(n)
                           queue.append(n)
        print("The BFS Traversal is : ")
        bfs(visited, graph, 'A', 'D')
        'D':['B', 'E'],
                'E':['A', 'D', 'B'],
                'C':['A', 'F', 'G'],
                'F':['C'],
                'G':['C']
        visited = []
        stack = []
        def dfs(graph, start, goal):
            print("DFS traveral is: ")
            stack.append(start)
            visited.append(start)
            while stack:
               node = stack[-1]
               stack.pop()
                print("Node: ", node)
               if node == goal:
                   print("Goal node found!")
                   return
               for n in graph[node]:
                   if n not in visited:
                       visited.append(n)
                       stack.append(n)
```

```
dfs(graph, 'A', "D")

The BFS Traversal is :
A
B
E
C
C
D
Node is Found !!!
DFS traveral is:
Node: A
Node: C
Node: G
Node: F
Node: E
Node: D
Goal node found!
In []:
```