**Exp: 7 Write the Python Program to implement BFS**

**Input:**

from collections import deque

def bfs(graph, start):

    visited = set()

    queue = deque([start])

    print("BFS Traversal:")

    while queue:

        node = queue.popleft()

        if node not in visited:

            print(node, end=" ")

            visited.add(node)

            queue.extend(graph[node] - visited)

graph = {

    'A': {'B', 'C'},

    'B': {'A', 'D', 'E'},

    'C': {'A', 'F'},

    'D': {'B'},

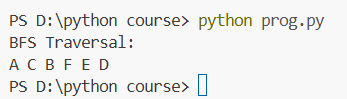
    'E': {'B', 'F'},

    'F': {'C', 'E'}

}

bfs(graph, 'A')

**output:**

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