**7th experiment-BFS**

from collections import deque

def bfs(graph, start):

visited = set()

queue = deque([start])

while queue:

node = queue.popleft()

if node not in visited:

print(node, end=' ')

visited.add(node)

queue.extend(neighbor for neighbor in graph[node] if neighbor not in visited)

# Example graph as an adjacency list

graph = {

'A': ['B', 'C'],

'B': ['D', 'E'],

'C': ['F'],

'D': [],

'E': ['F'],

'F': []

}

# Call BFS

print("BFS Traversal:")

bfs(graph, 'A')

**output:**

****