from collections import deque

def bfs(graph, start):

visited = set()

queue = deque([start])

print("BFS Traversal:")

while queue:

vertex = queue.popleft()

if vertex not in visited:

print(vertex, end=' ')

visited.add(vertex)

# Add unvisited neighbors to the queue

for neighbor in graph[vertex]:

if neighbor not in visited:

queue.append(neighbor)

# Example graph represented as an adjacency list

graph = {

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

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

'C': ['F'],

'D': [],

'E': ['F'],

'F': []

}

# Call BFS starting from vertex 'A'

bfs(graph, 'A')

