Breadth first search and Depth First Search

graph = {

'5': ['3', '7'],

'3': ['2', '4'],

'7': ['8'],

'2': [],

'4': ['8'],

'8': []

}

visited = []

queue = []

def bfs(visited, graph, node):

visited.append(node)

queue.append(node)

while queue:

m = queue.pop(0)

print(m, end=" ")

for neighbour in graph[m]:

if neighbour not in visited:

visited.append(neighbour)

queue.append(neighbour)

print("Following is the Breadth-First Search")

bfs(visited, graph, '5')

output:

Following is the Breadth-First Search

5 3 7 2 4 8