graph = {

'1' : ['2','10'],

'2' : ['3','8'],

'3' : ['4'],

'4' : ['5','6','7'],

'5' : [],

'6' : [],

'7' : [],

'8' : ['9'],

'9' : [],

'10' : []

}

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, '1')