

bfs using python

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September 30, 2022

1 BFS using python

```
graph = {
    '5' : ['3', '7'],
    '3' : ['2', '4'],
    '7' : ['8'],
    '2' : [],
    '4' : ['8'],
    '8' : []
}

visited = [] # List for visited nodes.
queue = [] #Initialize a queue

def bfs(visited, graph, node): #function for BFS
    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)

# Driver Code
print("Following is the Breadth-First Search")
bfs(visited, graph, '5') # function calling
```