bfsaa

```
from collections import deque

def bfs(graph, start):
    visited = set()
    queue = deque([start])


    while queue:
        vertex = queue.popleft()
        if vertex not in visited:
            print(vertex, end=” “)
            visited.add(vertex)
            queue.extend(neighbor for neighbor ingraph[vertex] if neighbor not in visited)

def main():
    graph = {}




    num_edges = int(input(“Enter the number ofedges: “))


    print(“Enter the edges (format: node1 node2):”)
    for _ in range(num_edges):
        edge = input().strip().split()
        node1, node2 = edge[0], edge[1]


        if node1 not in graph:
            graph[node1] = []
        if node2 not in graph:
            graph[node2] = []
```