```
def BFS( graph, start):
  visited = []
  queue = []
  visited.append(start)
  queue.append(start)
  while queue:
   print('----')
    print(f"Queue : { queue }")
    s = queue.pop(0)
   print( s , end = ' ')
    print()
    for node in graph[s]:
     if node not in visited:
        print(f"Node = { node }")
       visited.append(node)
       queue.append(node)
graph = { 'A':['B','C'] , 'B':['A','D','E'] , 'C':['A','F','G'] , 'D':['B'] , 'E':['B'] , 'F':['C'] , 'G':['C'] }
BFS (graph, 'A')
OUTPUT
Queue : ['A']
Node = B
Node = C
Queue : ['B', 'C']
Node = D
Node = E
Queue : ['C', 'D', 'E']
С
Node = F
Node = G
Queue : ['D', 'E', 'F', 'G']
D
Queue : ['E', 'F', 'G']
Ε
Queue : ['F', 'G']
Queue : ['G']
def BFS( graph, start):
  visited = []
  queue = []
  visited.append(start)
  queue.append(start)
  while queue:
   s = queue.pop(0)
   print( s , end = ' ')
    for node in graph[s]:
      if node not in visited:
        visited.append(node)
       queue.append(node)
graph = \{ \ 'A': ['B', 'C'] \ , \ 'B': ['A', 'D', 'E'] \ , \ 'C': ['A', 'F', 'G'] \ , \ 'D': ['B'] \ , \ 'E': ['B'] \ , \ 'F': ['C'] \ , \ 'G': ['C'] \ \}  print("BFS: ", end = " ")
BFS(graph, 'A')
OUTPUT
```

BFS: ABCDEFG