```
from collections import defaultdict

class Graph:

    def __init__(self):
        self.graph = defaultdict(list)

    def addEdge(self,u,v):
        self.graph[u].append(v)

    def BFS(self,s):
        visited = [False] *
(len(self.graph))
        queue = []
        queue.append(s)
        visited[s] = True

        while queue:
            s = queue.pop(0)
            print(s, end="")

            for i in self.graph[s]:
                if visited[i] == False:
                    queue.append(i)
                    visited[i] = True


g = Graph()
g.addEdge(0,1)
g.addEdge(0,2)
g.addEdge(1,2)
g.addEdge(2,0)
g.addEdge(2,3)
g.addEdge(3,3)
print("Following is Breadth First
Search""(starting from vertex 2)")
g.BFS(2)
```