```
graph = {
    0: [1, 2],
    1: [0, 3, 4],
    2: [0,3],
    3: [1,2,4],
    4: [1,3]
}
x=int(input("How many Nodes are there in the graph :"))
visited=[0]*x #visited=[0,0,0,0,0]
def dfs(graph, s):#actual GRAPH ani STARTING vertex eg.0
    visited[s]=1 #visited[0]=1 ==[1,0,0,0,0]
    print(s)
    for c in graph[s]:
        if visited[c]==0:
            dfs(graph,c)

def bfs(graph,s):
    Queue=[s] #queue=[0]
    visitedd=[s] #visitedd=[0]
    while Queue: #until Queue contains some values
        cur=Queue.pop(0)
        print(cur)
        for c in graph[cur]:
            if c not in visitedd:
                Queue.append(c)
                visitedd.append(c)
p=int(input("Choose DFS OR BFS :\n1).DFS\n2).BFS\n---->"))
if p==1:
    dfs(graph,0)
if p==2:
    bfs(graph,0)

#GANESH
```