**def createGraph(graph):**

**n=int(input("enter no of nodes in graph:"))**

**for \_ in range(n):**

**node=input("Enter nodes and connected nodes in following format\n node:c1,c2,...").split(":")**

**graph[node[0]]=node[1].split(",")**

**return graph**

**def bfs(graph,start,dest):**

**result=["not reachable",list()]**

**visited=list()**

**queue=list()**

**queue.append(start)**

**visited.append(start)**

**while queue:**

**currentNode=queue.pop(0)**

**if currentNode not in graph.keys():**

**continue**

**for node in graph[currentNode]:**

**if node not in graph.keys():**

**continue**

**if node==dest:**

**result[0]="Reachable"**

**break**

**if node not in visited:**

**visited.append(node)**

**queue.append(node)**

**result[1]=visited**

**return result**

**graph=dict()**

**graph=createGraph(graph)**

**start=input("Enter the starting point of traversal:")**

**end=input("Enter ending point of traversal:")**

**result=bfs(graph,start,end)**

**print("Result:-",result[0])**

**print("path traversed:-",result[1]**