EXPERIMENT 2

Python program for Breadth First Search

graph = {

'A':['B','C','D'],

'B':['E','F'],

'C':['G','I'],

'D':['I'],

'E':[],

'F':[],

'G':[],

'H':[],

'I':[],

}

def bfs(visit\_complete,graph,current\_node):

visit\_complete.append(current\_node)

queue = []

queue.append(current\_node)

while queue:

s = queue.pop(0)

print(s)

for neighbour in graph[s]:

if neighbour not in visit\_complete:

visit\_complete.append(neighbour)

queue.append(neighbour)

bfs([],graph,'A')

OUT PUT

