**Lab 5: BFS**

graph = {

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

'B' : ['D', 'E'],

'C' : ['F'],

'D' : [],

'E' : ['F'],

'F' : []

}

visited = []

queue = []

final = 'D'

def bfs(visited, graph, node):

visited.append(node)

queue.append(node)

while(queue):

s = queue.pop(0)

print(s, end=" ")

if s == final:

exit()

for neighbor in graph[s]:

if neighbor not in visited:

visited.append(neighbor)

queue.append(neighbor)

bfs(visited, graph, 'A')

**Output:**  
  
A B C D