lab 2

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1 BFS

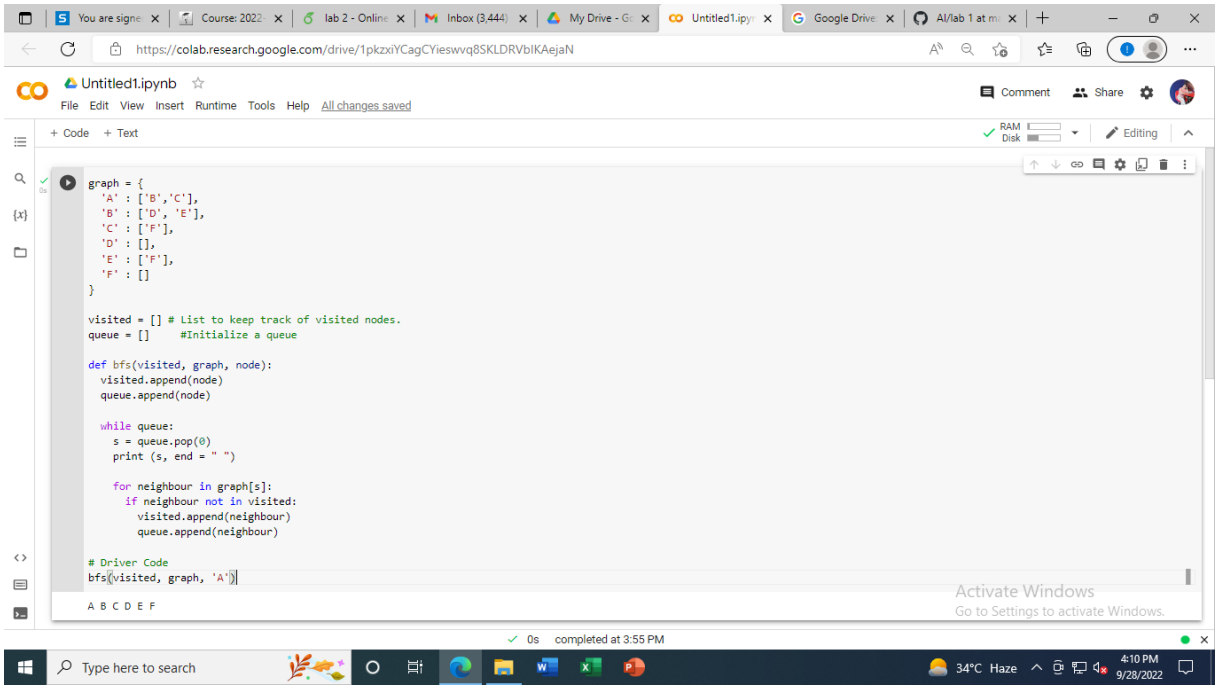

Figure 1: Breath First Search

```
graph = {
 'A' : ['B','C'],
 'B' : ['D', 'E'],
 'C' : ['F'],
 'D' : [],
 'E' : ['F'],
```

```
  'F' : []
}

visited = [] # List to keep track of visited nodes.
queue = []     #Initialize a queue

def bfs(visited, graph, node):
  visited.append(node)
  queue.append(node)

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

    for neighbour in graph[s]:
      if neighbour not in visited:
        visited.append(neighbour)
        queue.append(neighbour)

# Driver Code
bfs(visited, graph, 'A')
```