In [1]:

```python
adj_list = {
    "A":["B","D"],
    "B":["A","C"],
    "C":["B"],
    "D":["A","E","F"],
    "E":["D","F","G"],
    "F":["D","E","H"],
    "G":["E","H"],
    "H":["G","F"],
}

visited=[]
queue=[]

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

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

        for neighbour in adj_list[m]:
            if neighbour not in visited:
                visited.append(neighbour)
                queue.append(neighbour)

print("Following is BFS")
bfs(visited, adj_list, 'A')
```

```
Followinf is BFS
A B D C E F G H
```

In [ ]: