EXPERIMENT:08 Write the python program to implement DFS.

PROGRAM:

```
def dfs(graph, start, visited=None):
    if visited is None:
        visited = set()
    visited.add(start)
    print(start, end=' ')
    for neighbor in graph.get(start, []):
        if neighbor not in visited:
            dfs(graph, neighbor, visited)


# Example graph represented as adjacency list
graph = {
    'A': ['B', 'C'],
    'B': ['D', 'E'],
    'C': ['F'],
    'D': [],
    'E': ['F'],
    'F': []
}


# Run DFS starting from node 'A'
dfs(graph, 'A')
```

OUTPUT: