main.py

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```python
def dfs(graph, vertex, visited=None):
    if visited is None:
        visited = set()
    visited.add(vertex)
    print(vertex, end=" ")

    for neighbor in graph[vertex]:
        if neighbor not in visited:
            dfs(graph, neighbor, visited)

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

# Starting DFS from node 'A'
print("DFS Traversal:")
dfs(graph, 'A')
```

Output

Clear

```
DFS Traversal:
A B D E F C
=== Code Execution Successful ===
```