

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

```
# Example graph
```

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

```
print("DFS Traversal:")  
dfs(graph, 'A')
```

File Edit Shell Debug Options Window Help

```
Python 3.13.3 (tags/v3.13.3:6280bb5, Apr 8 2025, 14:47:33) [MSC v.1943 64 bit (AMD64)] on win32
```

```
Enter "help" below or click "Help" above for more information.
```

```
·>>
```

```
===== RESTART: C:/Users/sriva/AppData/Local/Programs/Python/Python313/d.py =====
```

```
DFS Traversal:
```

```
A B D E F C
```

```
·>>
```