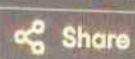


main.py



Run

Output

```
1 warehouse_graph = {  
2     'A': ['B', 'C'],  
3     'B': ['D', 'E'],  
4     'C': ['F'],  
5     'D': [],  
6     'E': ['F'],  
7     'F': []  
8 }  
9 def dfs(graph, start, goal, visited=None, path=None):  
10     if visited is None:  
11         visited = set()  
12     if path is None:  
13         path = []  
14     visited.add(start)  
15     path.append(start)  
16     if start == goal:  
17         return path  
18     for neighbor in graph[start]:  
19         if neighbor not in visited:  
20             result = dfs(graph, neighbor, goal, visited, path[:])  
21             if result:  
22                 return result  
23     return None  
24 start_node = 'A'  
25 goal_node = 'F'  
26 path_found = dfs(warehouse_graph, start_node, goal_node)  
27 print(f"DFS Path from {start_node} to {goal_node}: {path_found}")
```

DFS Path from A to F: ['A', 'B', 'E', 'F']

=== Code Execution Successful ===

