

main.py



Share

Run

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

Output

Clear

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

=== Code Execution Successful ===