

```
Python 3.13.5 (tags/v3.13.5:6cb20a2, Jun 11 2025, 16:15:46) [MSC v.1943 64 bit (AMD64)] on win32
Enter "help" below or click "Help" above for more information.
>>>
===== RESTART: C:/ayushsr/AI/lab 3.py =====
Enter the start node: A
Enter the goal node: E
Depth 0: Traversed path: ['A']
Depth 1: Traversed path: ['A', 'B', 'C']
Depth 2: Traversed path: ['A', 'B', 'D', 'E']
Goal node 'E' found! Path: ['A', 'B', 'D', 'E']
```