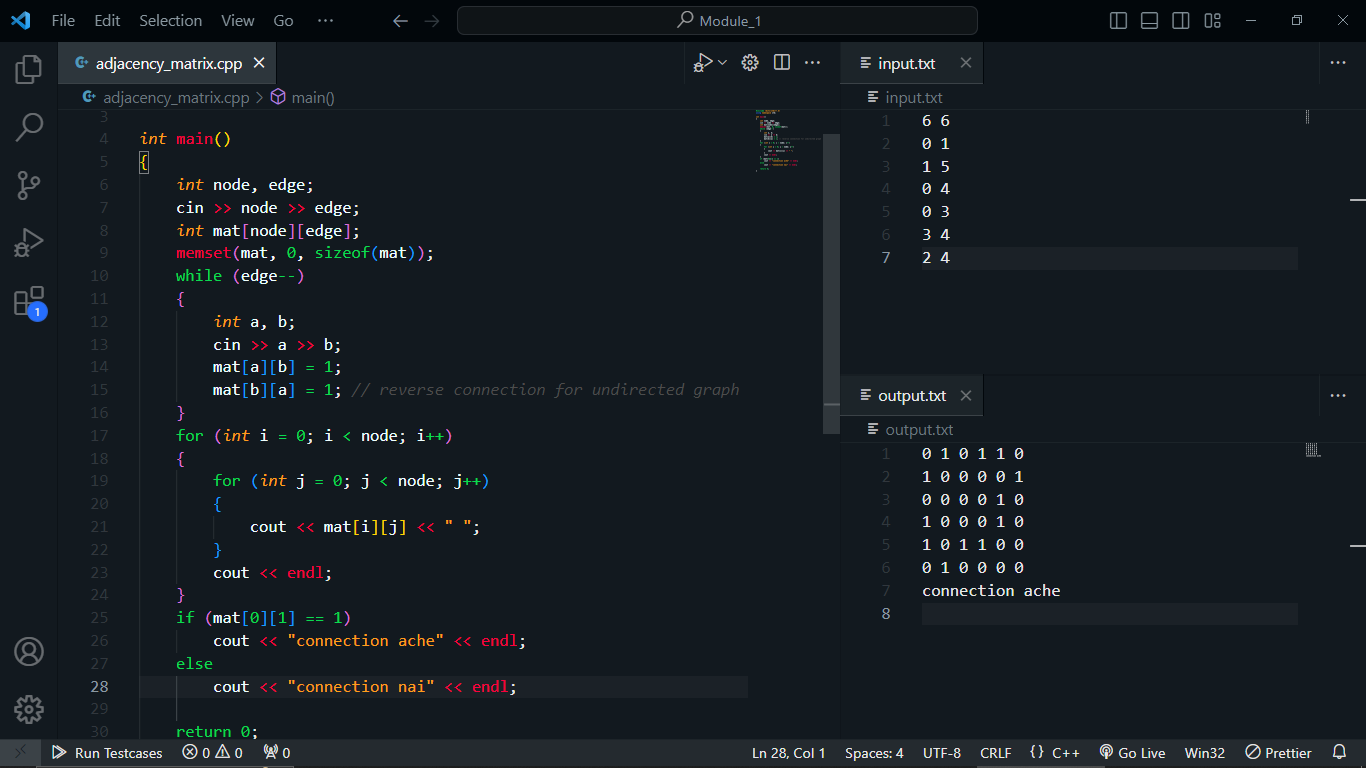
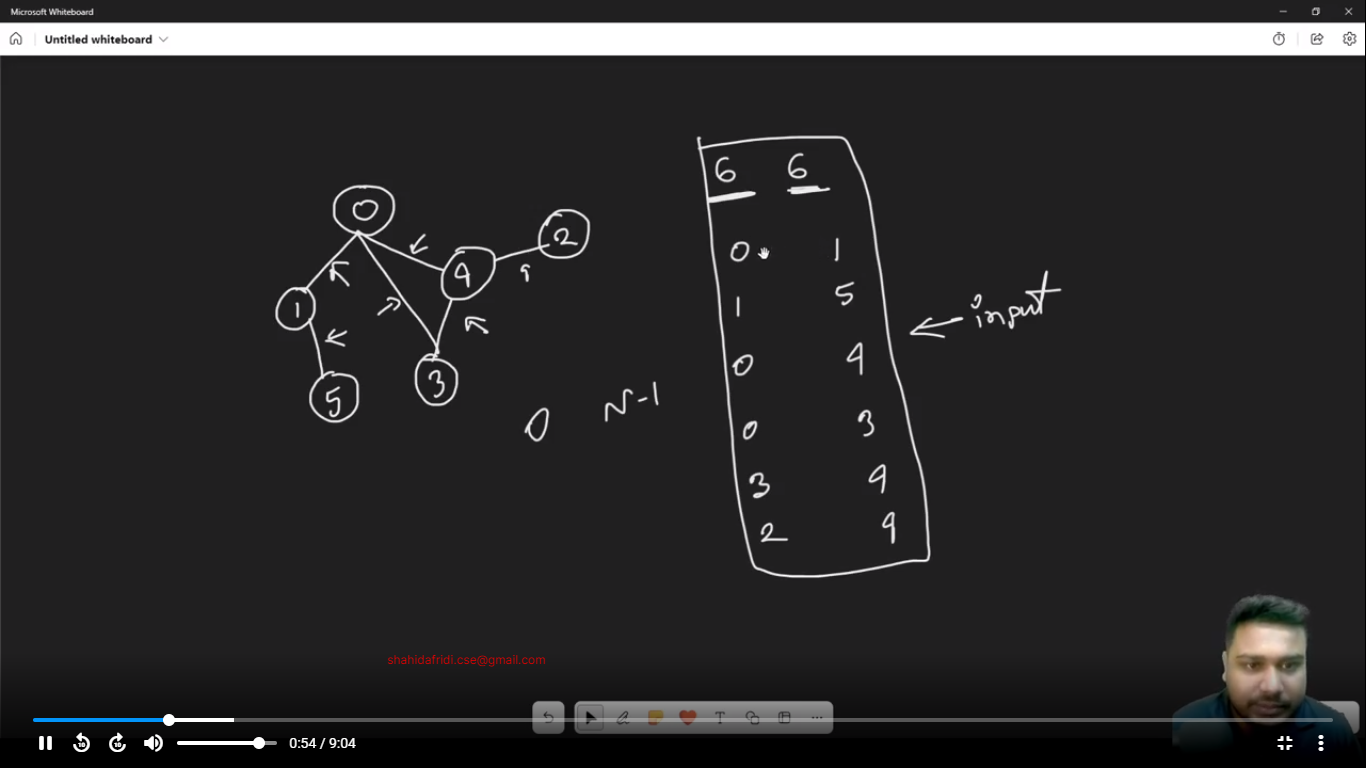
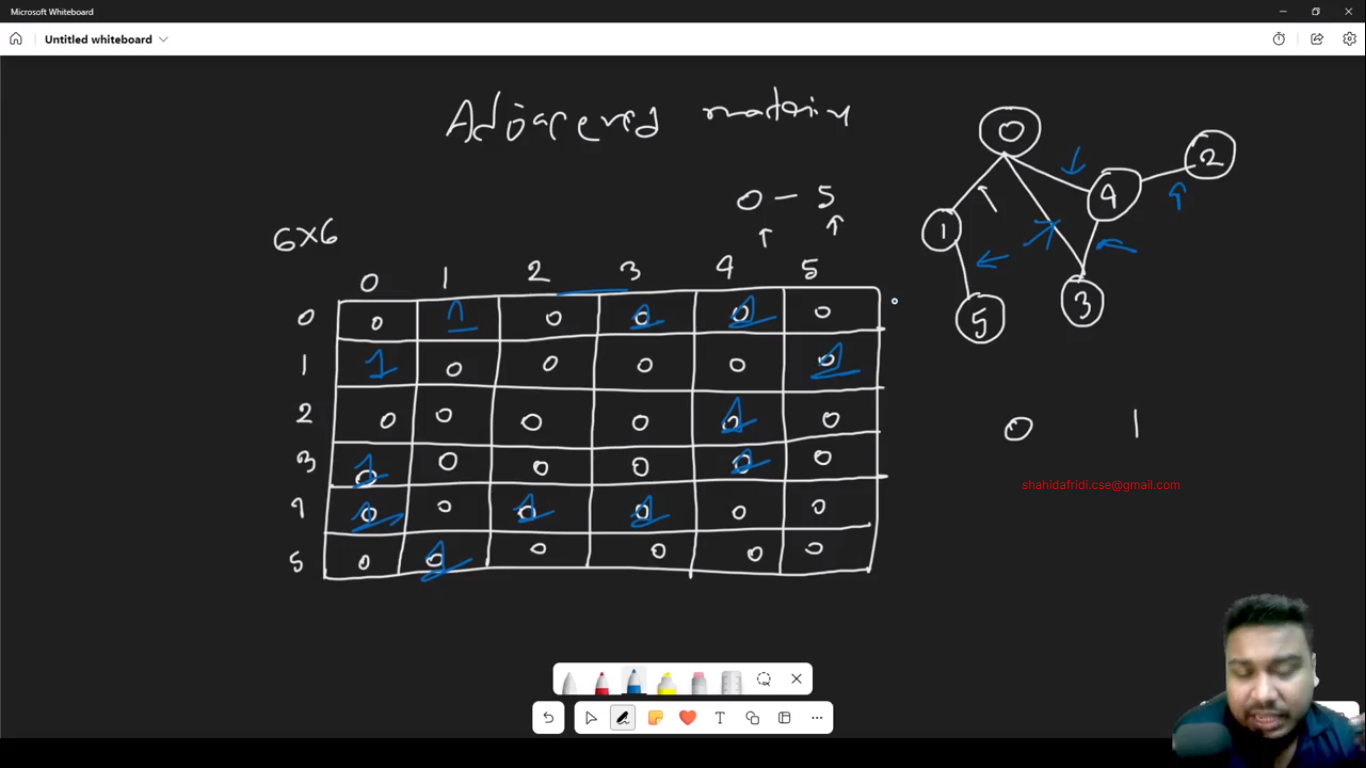
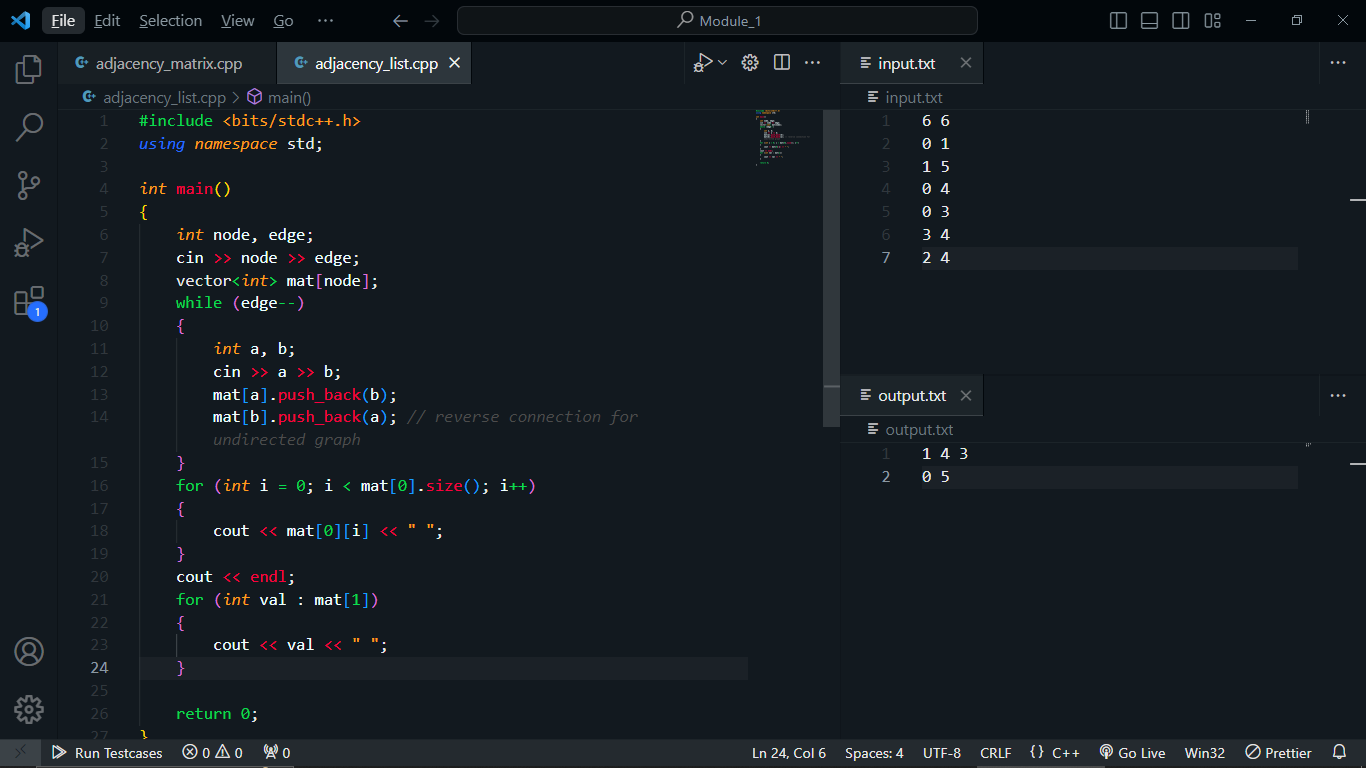
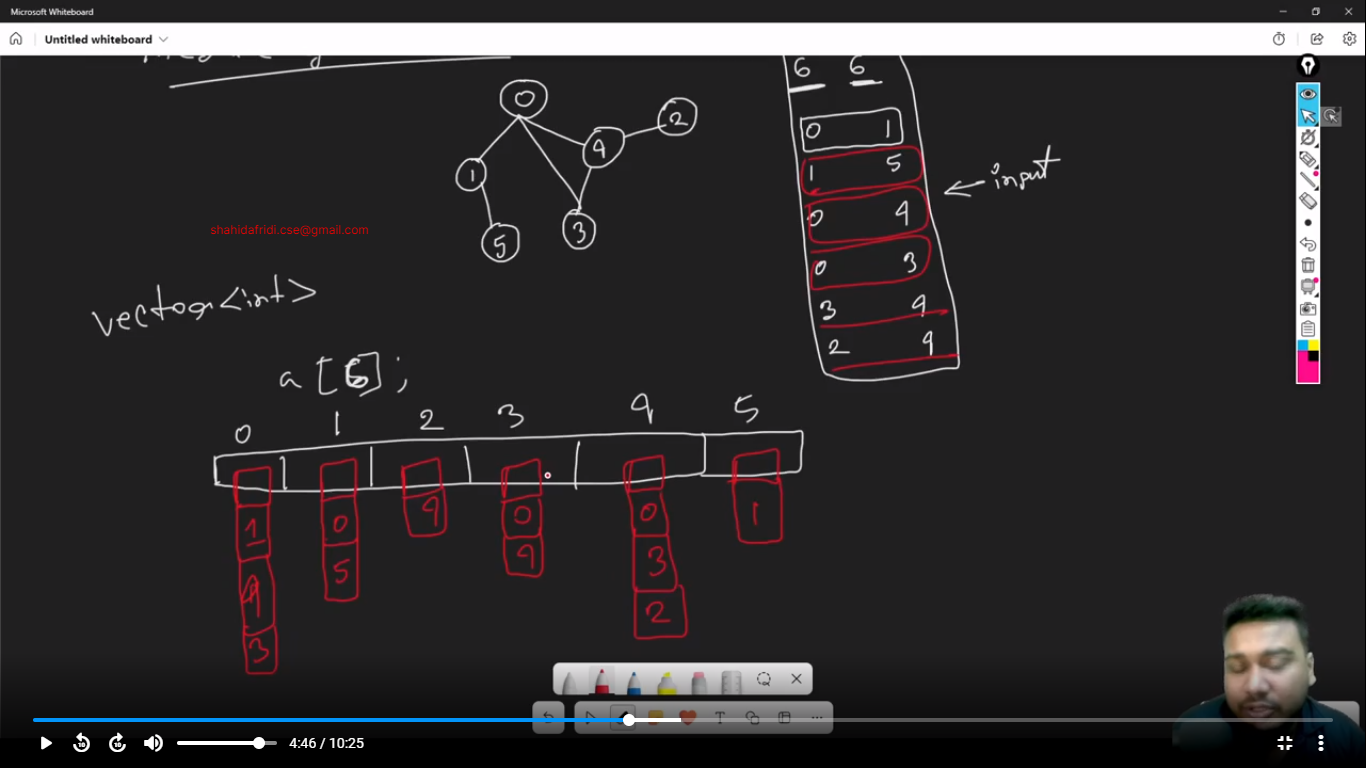
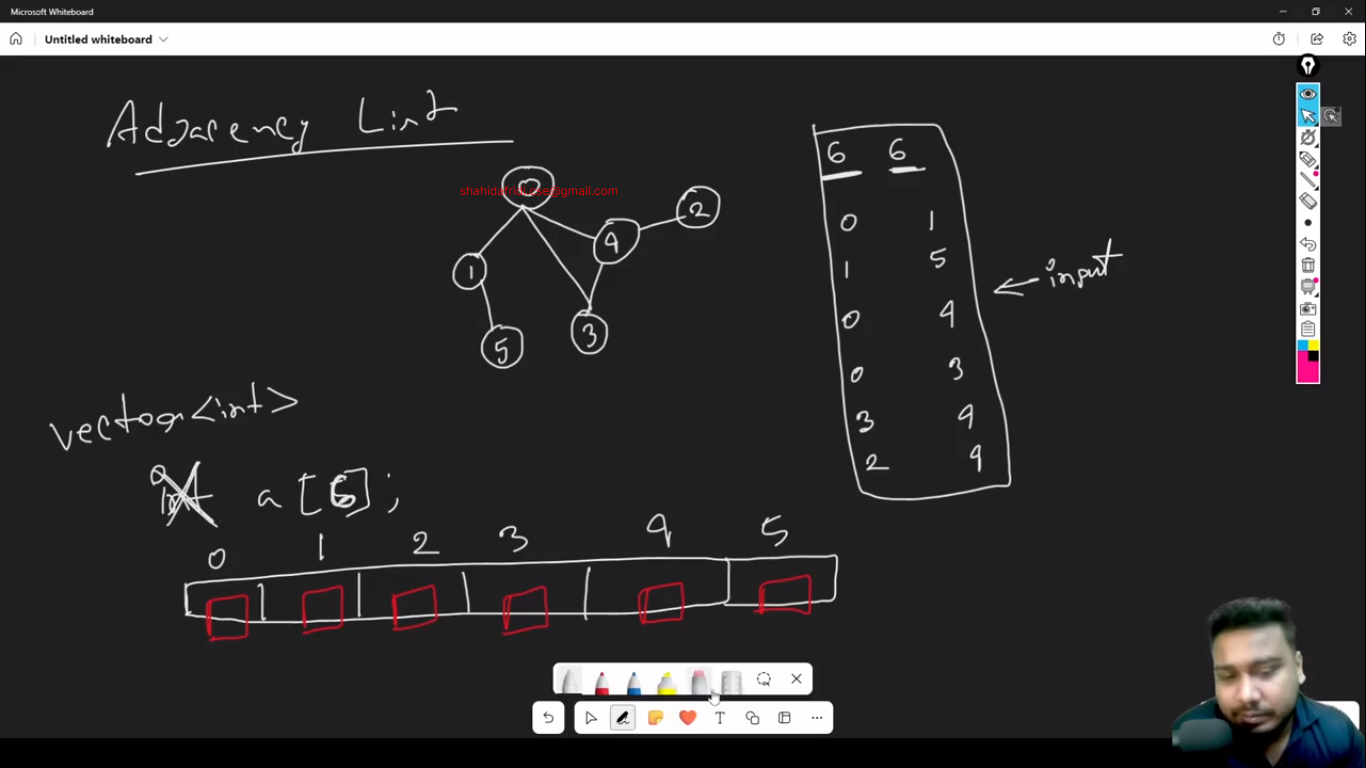
**Introduction to Algorithm**

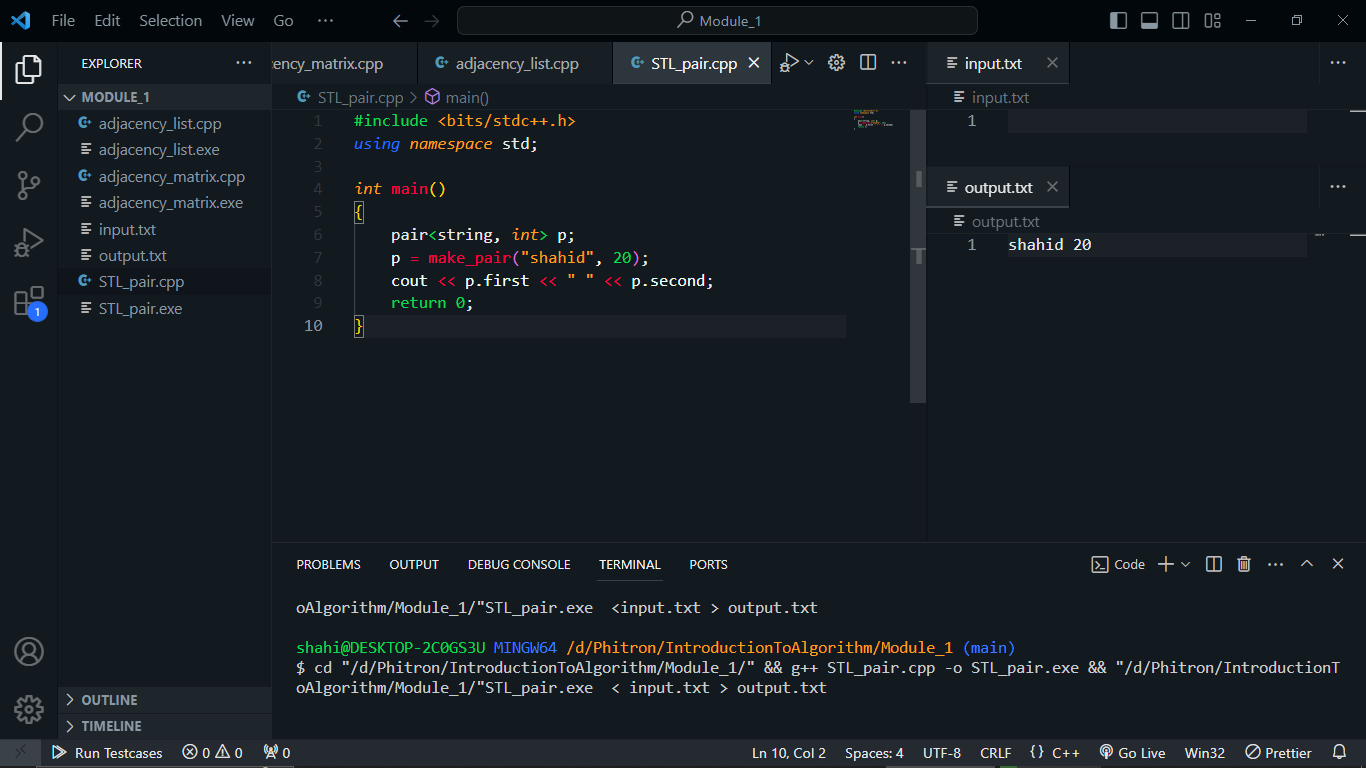
**Module 01:**

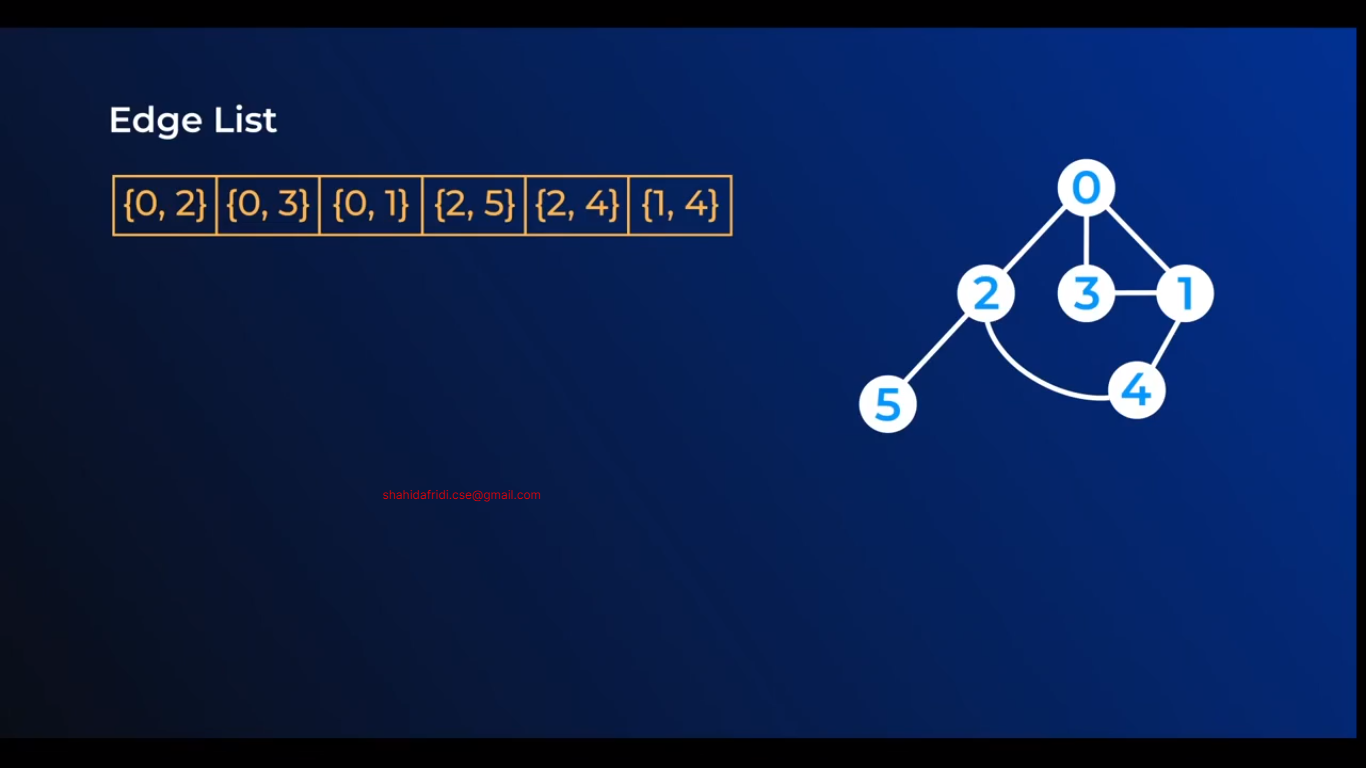
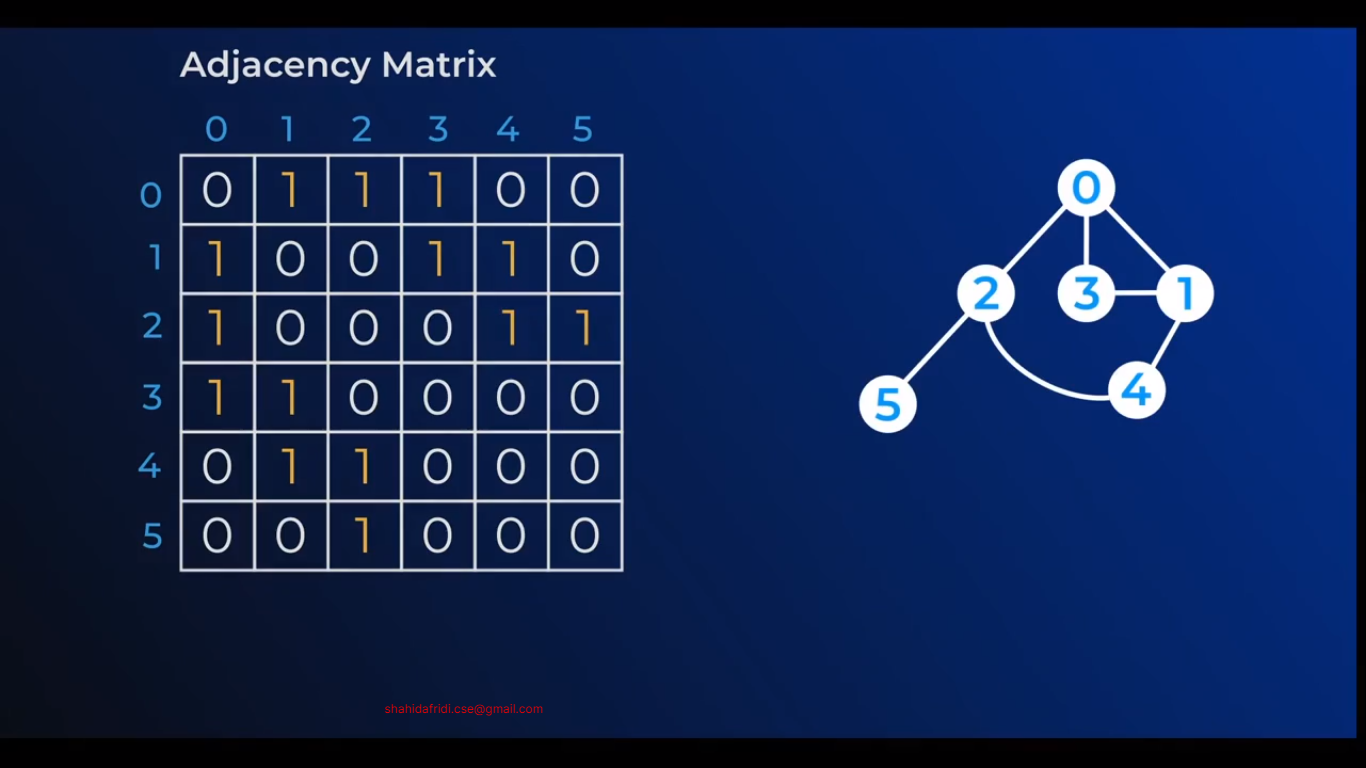
**Adjacency Matrix:**

**Adjacency List:**

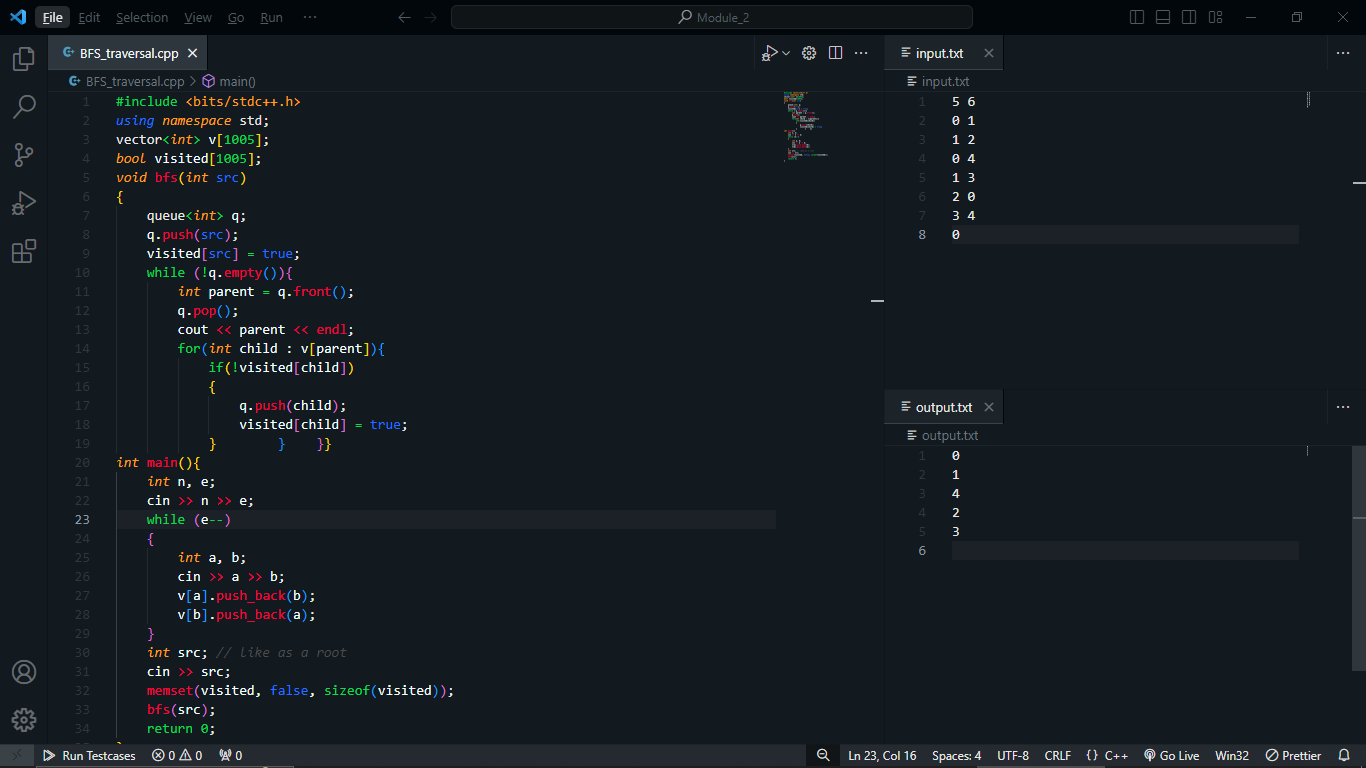
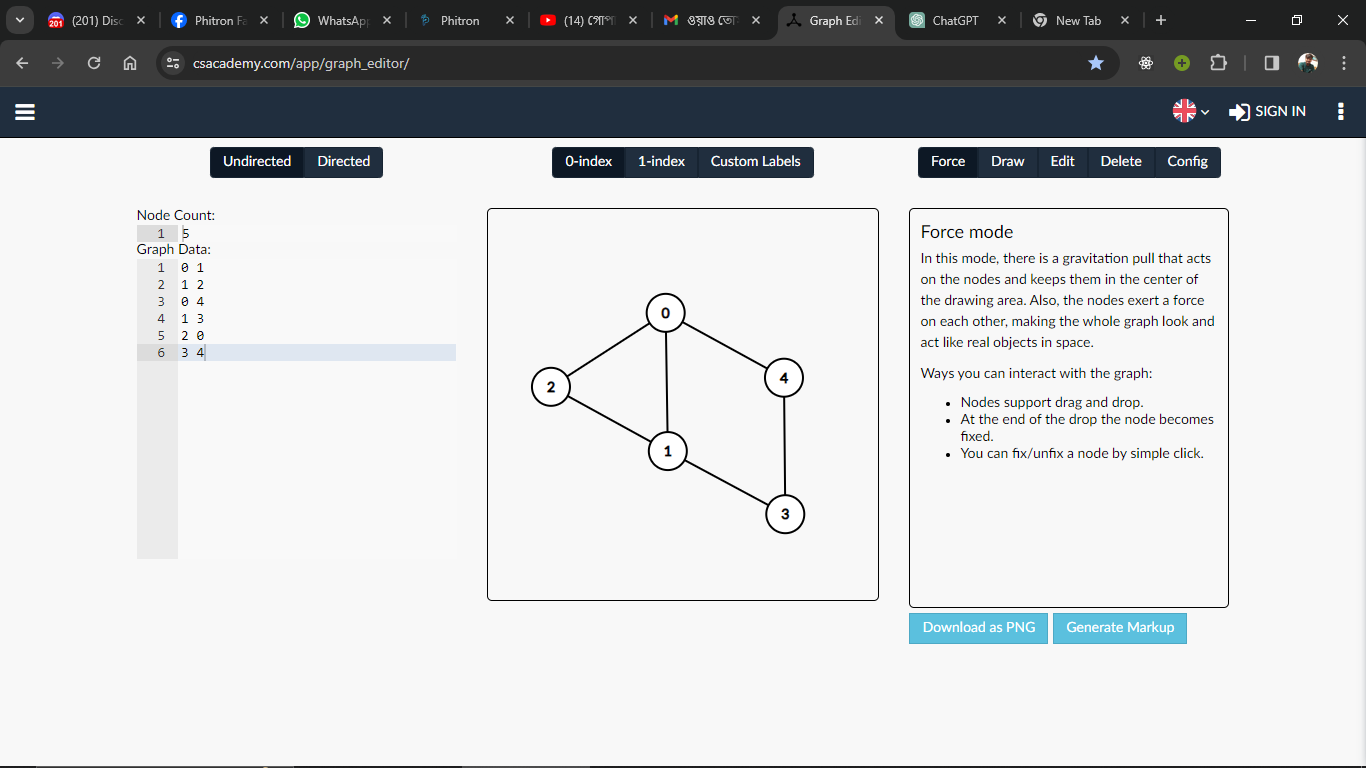
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**STL Pair:**

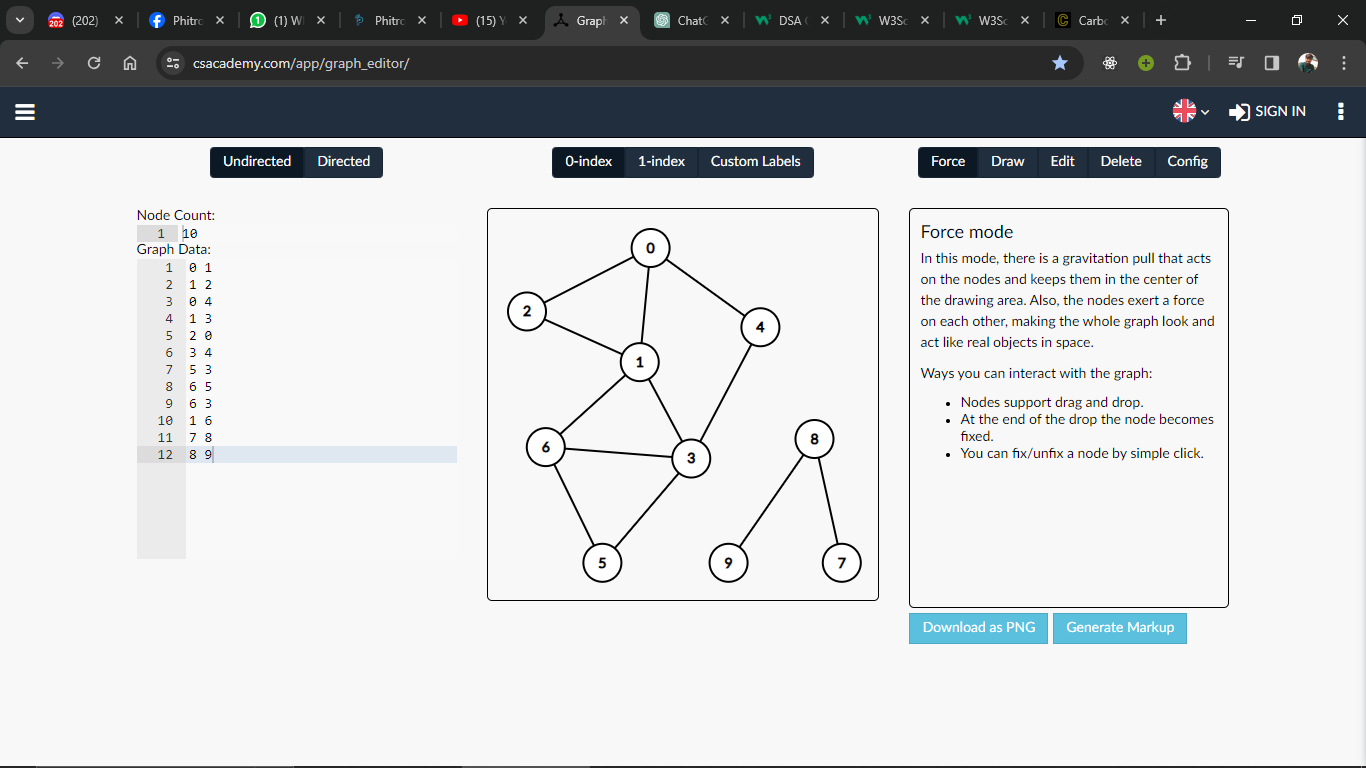
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BFS Traversal

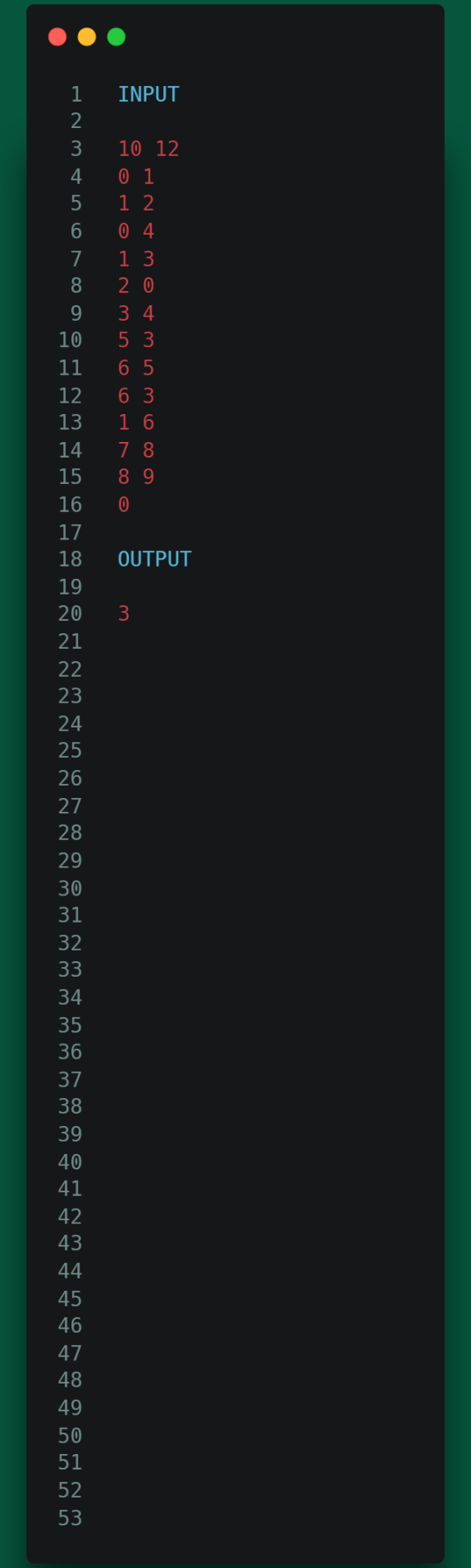
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**BFS Traversal with tracking level:**

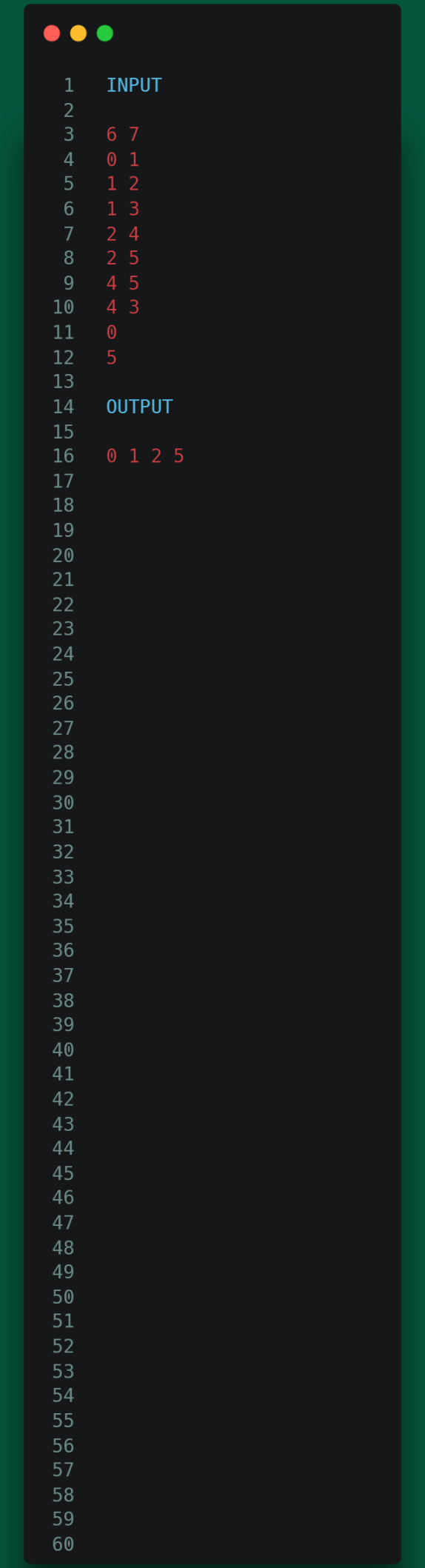
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**BFS Traversal with level using pair:**

****

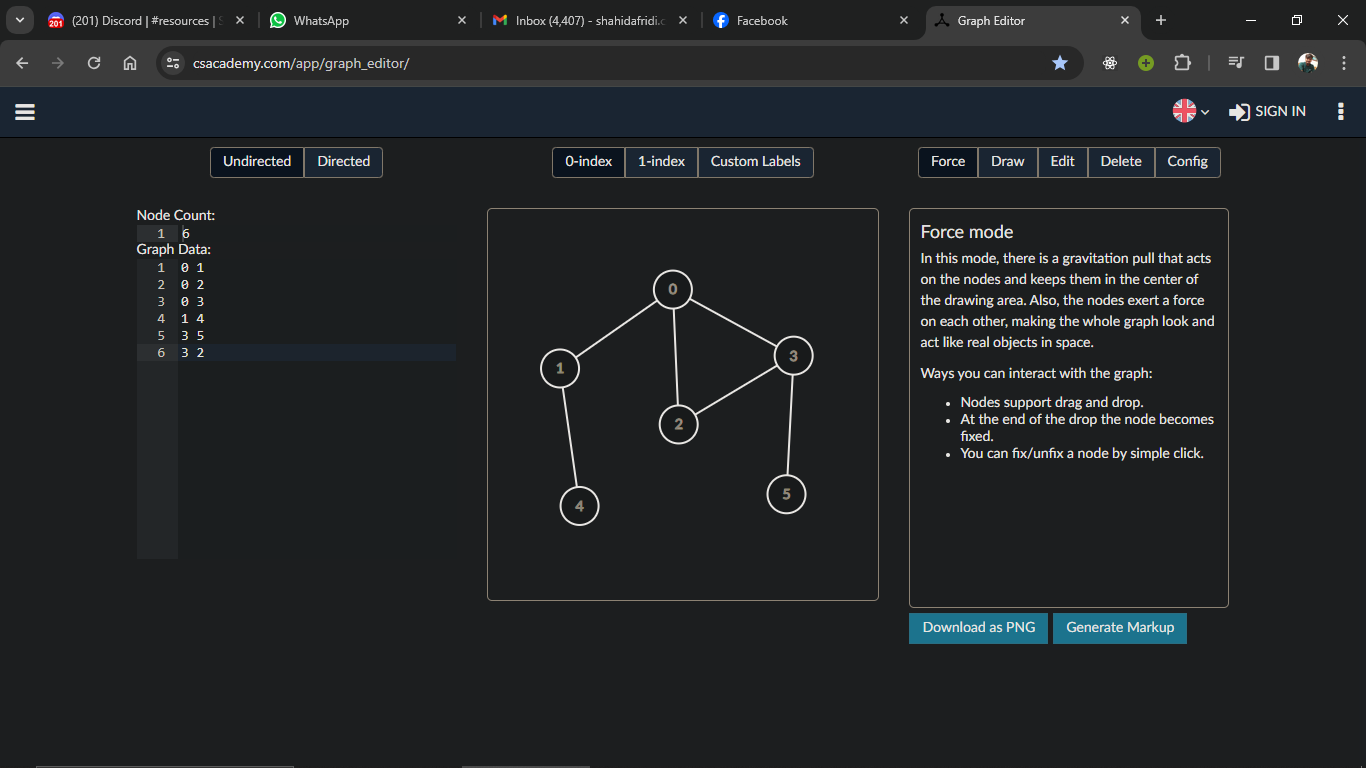
**Shortest Path Printing:**

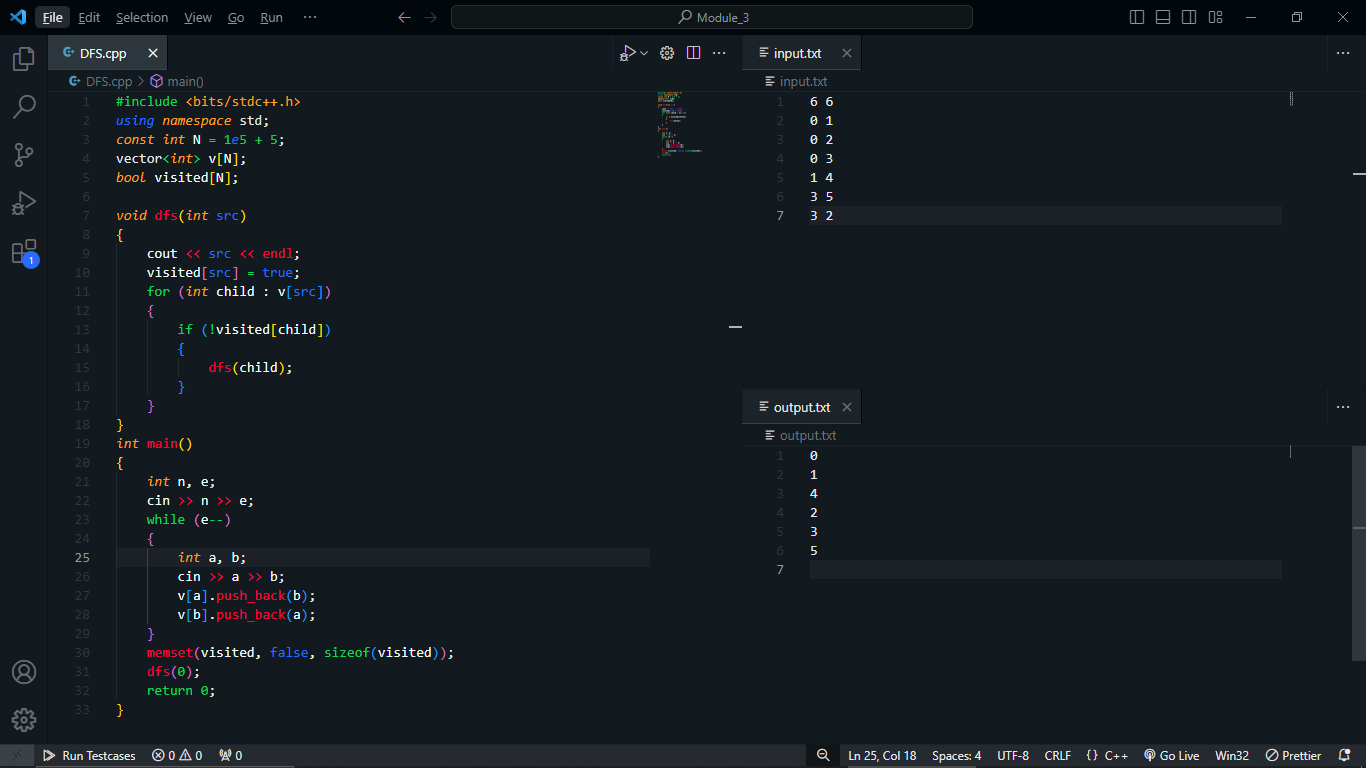
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**Module 2.5:**

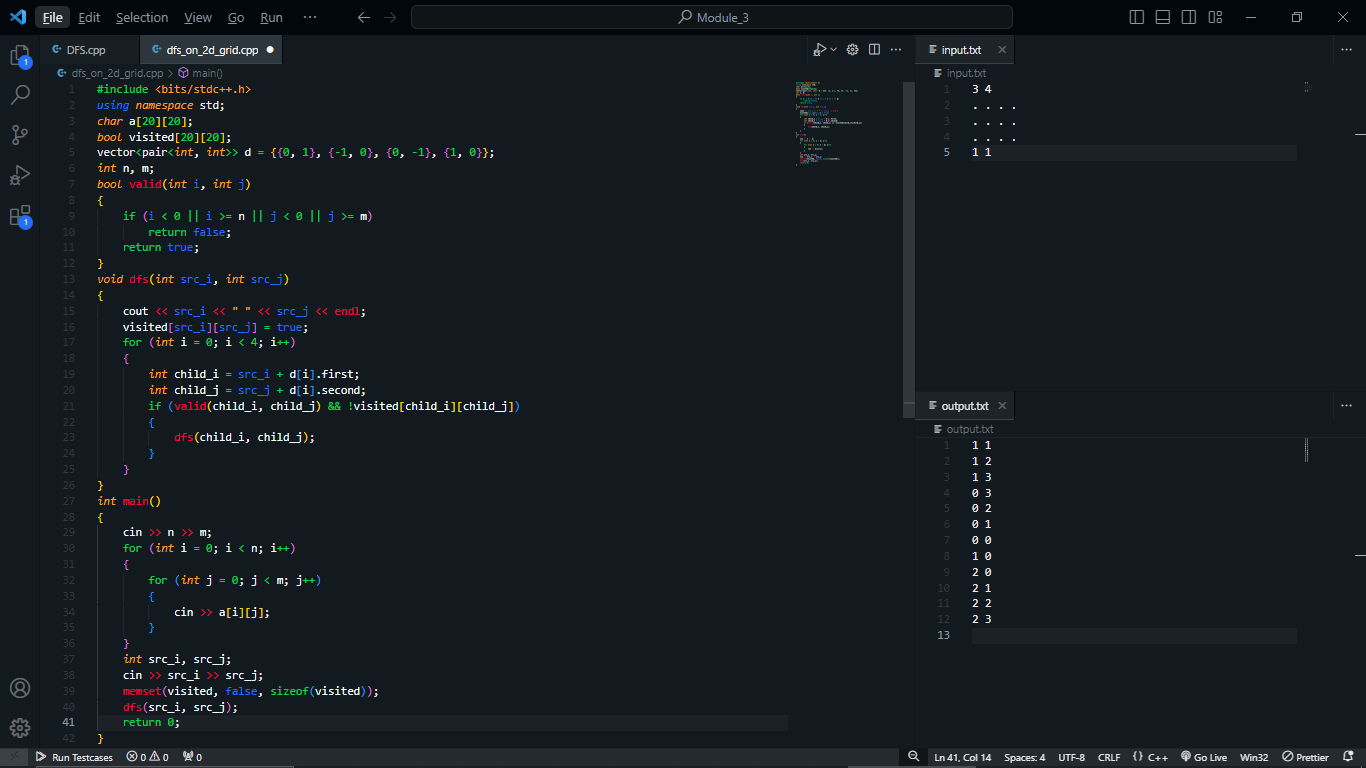
**Module 3:**

**DFS:**

****

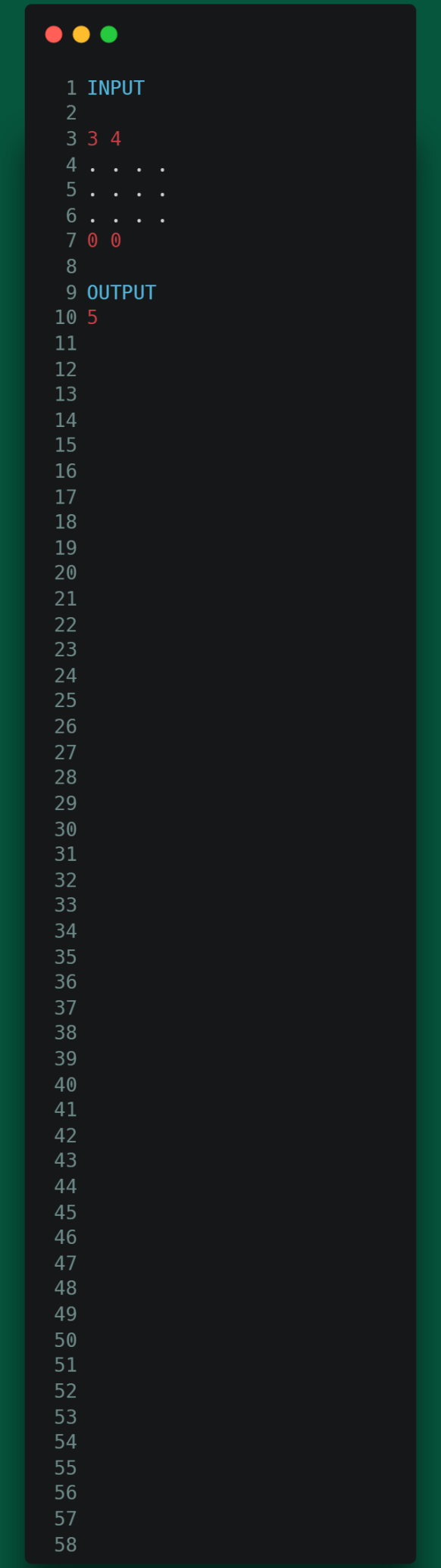
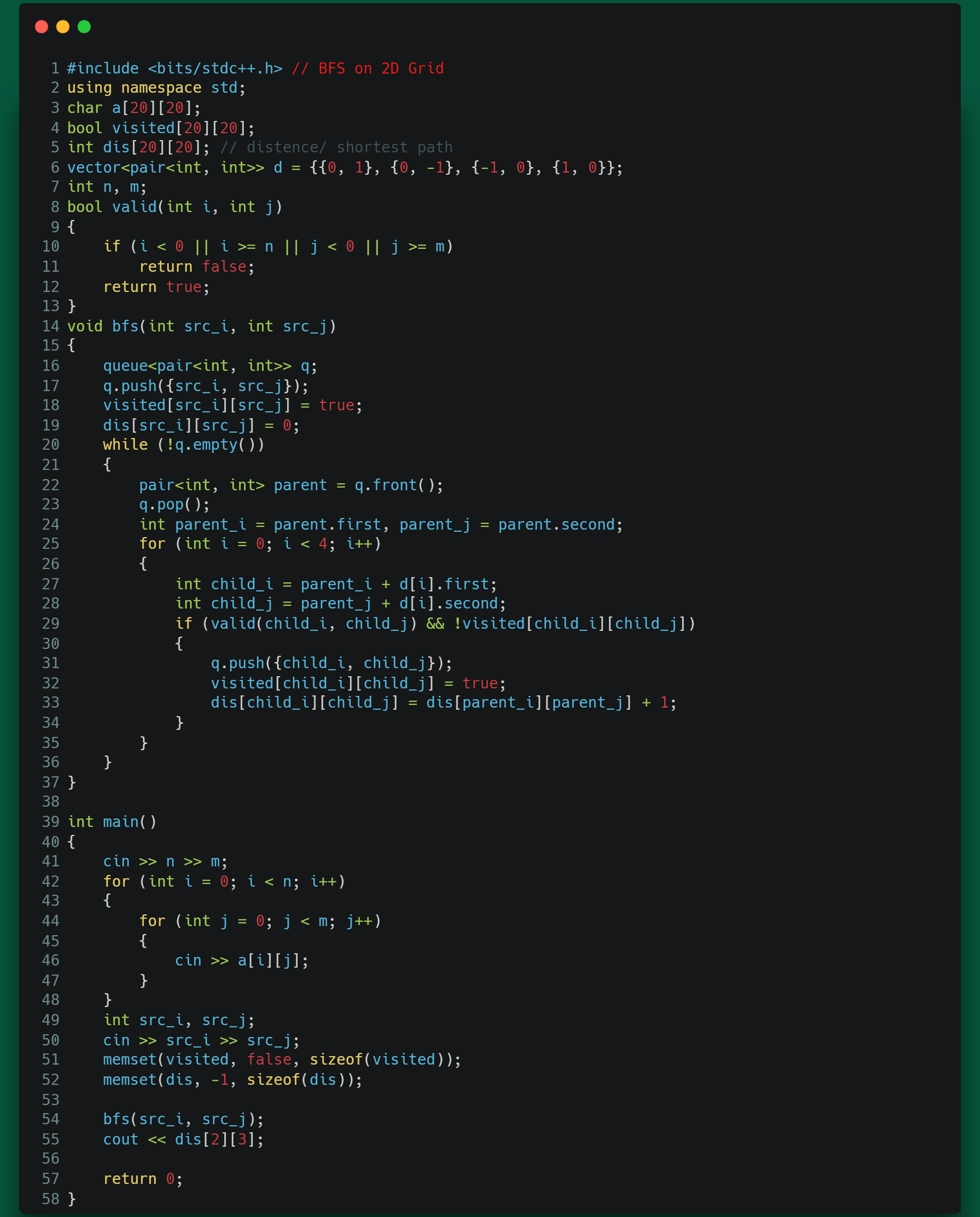
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**DFS on 2D grid:**

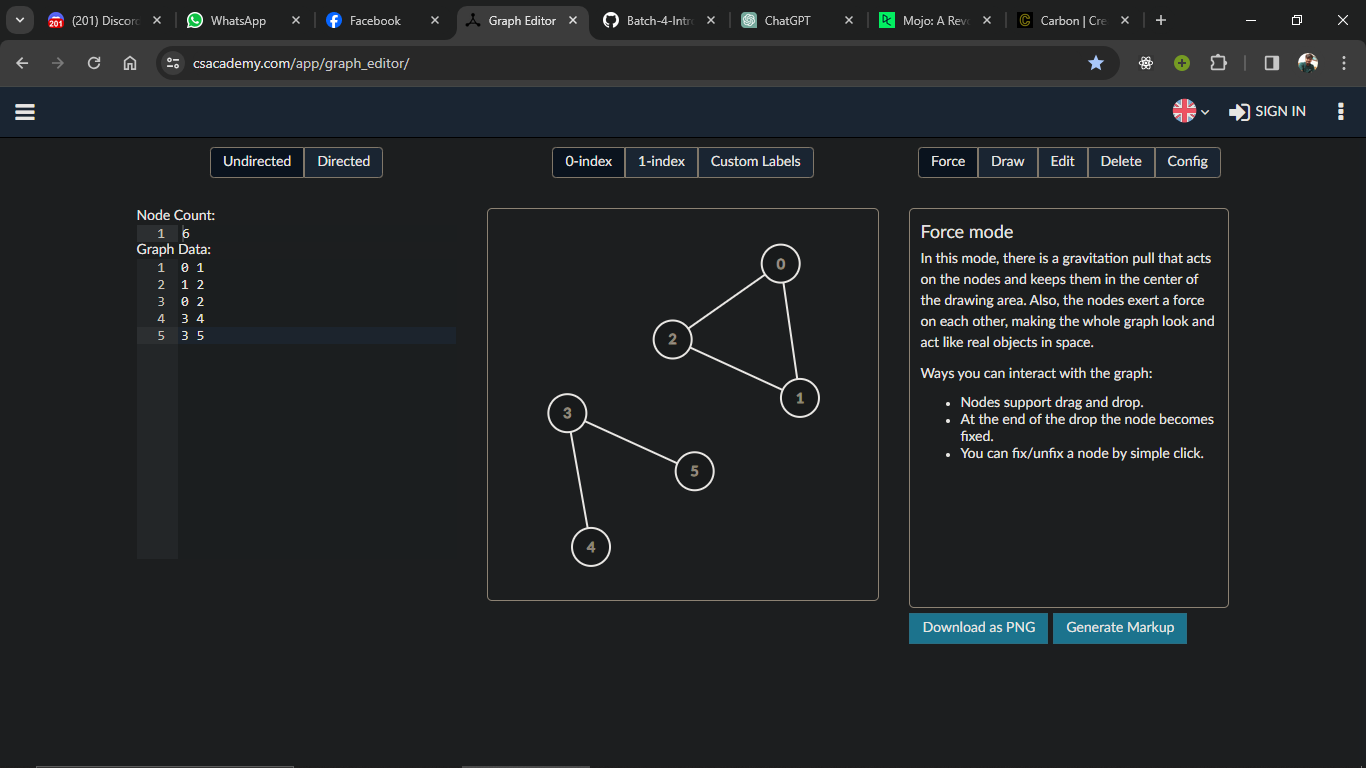
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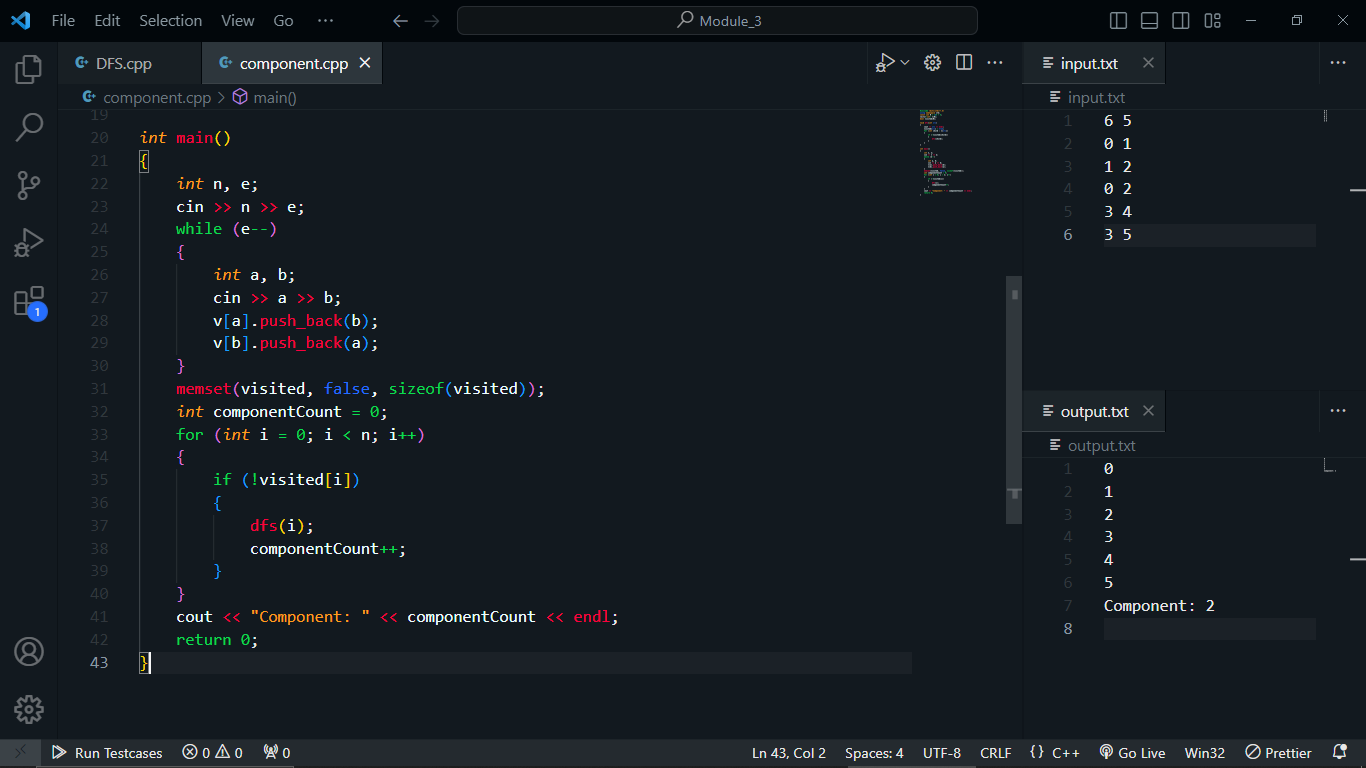
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**BFS on 2D grid:**

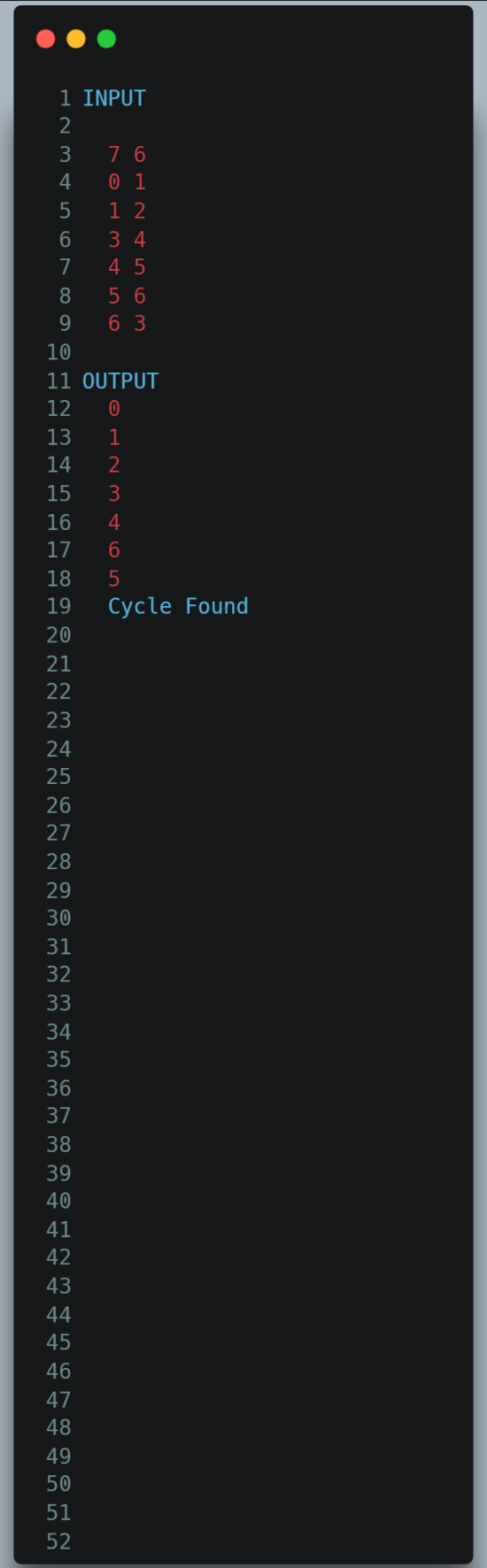
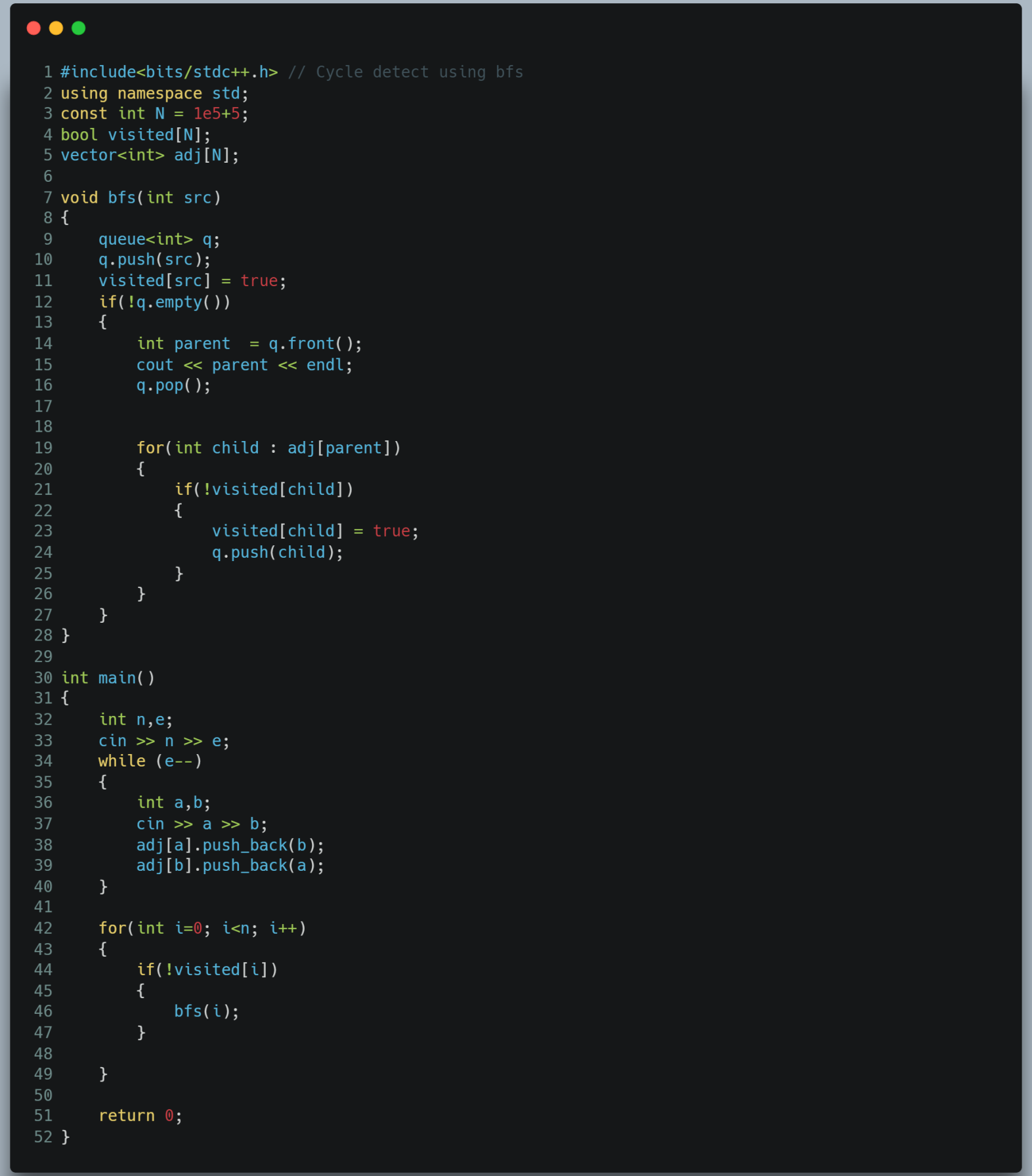
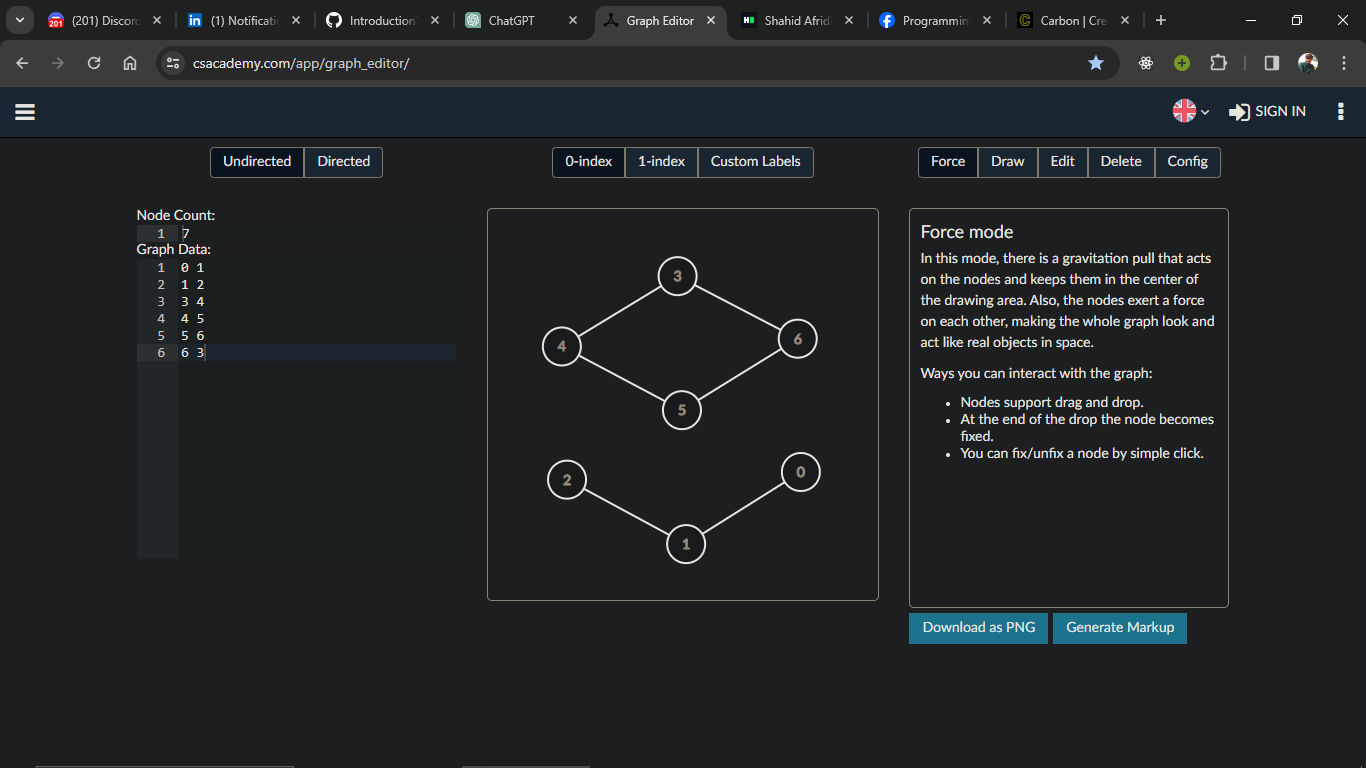
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**Component:**

****

****

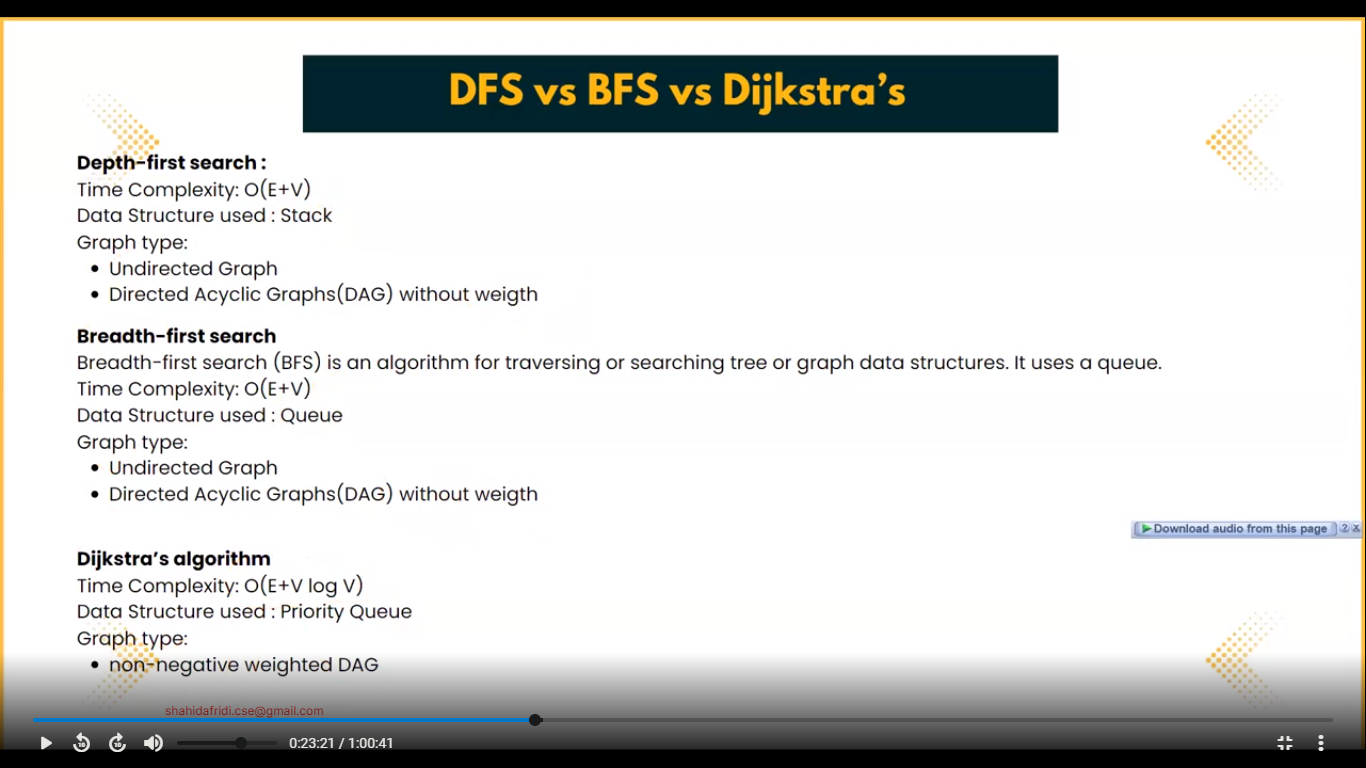
**Module 5: Cycle detects using BFS:**

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**Module 6:**

**Shortest path on Un-weighted Graph -> BFS**

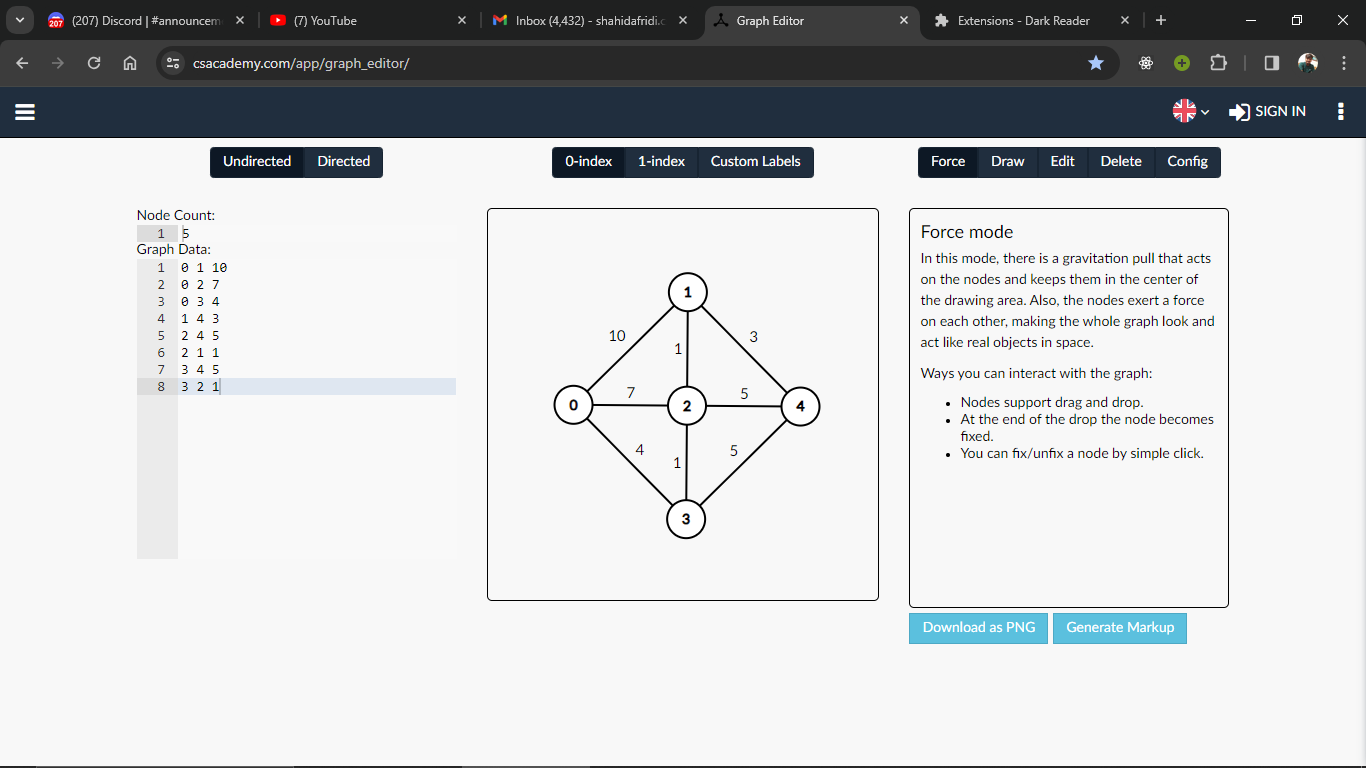
**Shortest path on Weighted -> Dijkstra**

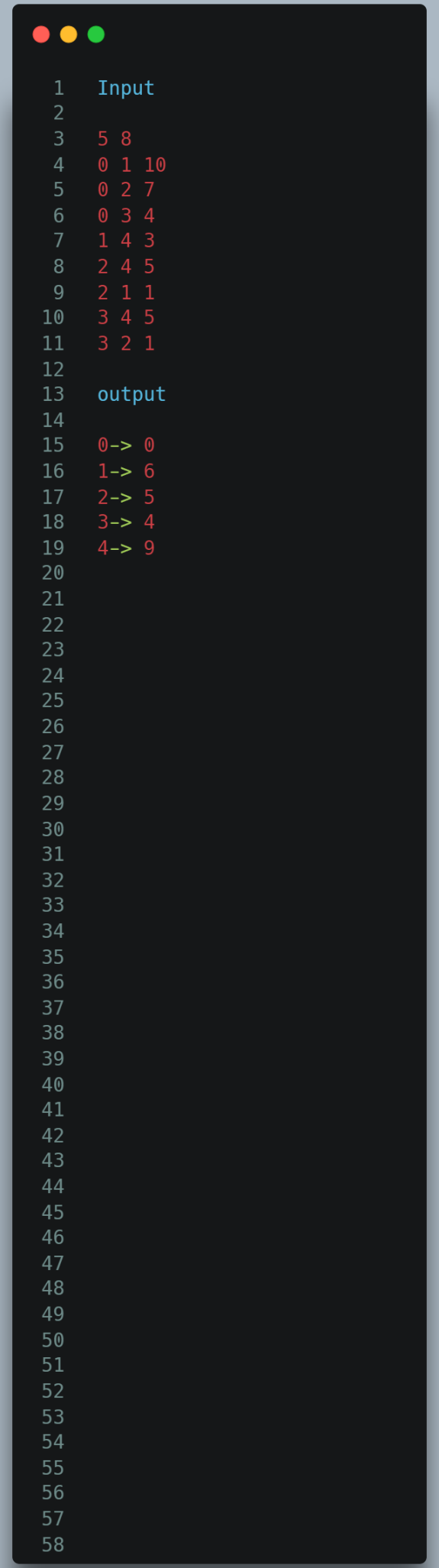
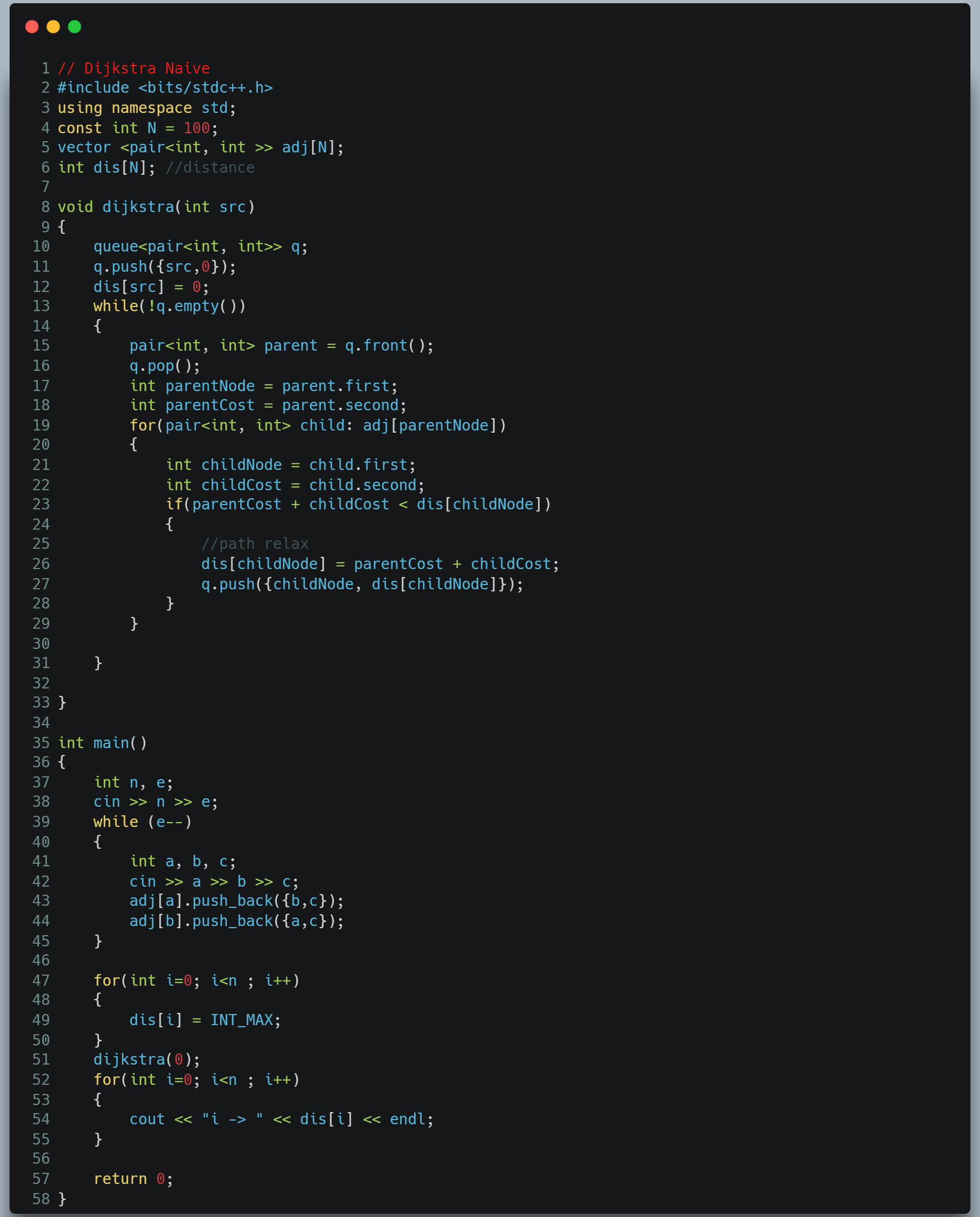
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**Dijkstra –**

1. **Naive**
2. **Optimized**

Naïve:





Dijkstra Optimized  
