DS Lab 12 Output Screenshots

Warshall's Accessibility Matrix

```
Graph representation
 Enter your choice 1 for Matrix and 0 for List
1
 Adjacency Matrix:
A B C D
A 1 1 1 1
B 1 1 1 1
C 1 1 1 1
D 1 1 1 1
```

Floyd Warshall

```
C:\ C:\Users\LENOVO\OneDrive\[    ✕     +    ⌄

Shortest path from C to B: C -> B Distance: 4
Shortest path from A to D: A -> D Distance: 6
Shortest path from B to C: B -> C Distance: 2


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```

Dijkstra's Algorithm

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Node    Distance  Previous
A       0         —
B       2         A
C       11         F
D       7         B
E       8         B
F       8         D
Shortest path from A to C: A -> B -> D -> F -> C  Cost: 11


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```