

Someshwars-MacBook-Pro:Assignment 8 someshwargaikwad\$ g++ Assignment8.cpp graph.cpp
-o Assignment8

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Select the Options

- 1. Create Graph
2. Djiktra's Algorithm
3. Display Graph
4. Exit

Your Choice: 1

Enter number of Vertices: 5

- 1. Enter Edge
2. Exit

Your Choice: 1

1st Node: 0

2nd Node: 1

Cost : 3

- 1. Enter Edge
2. Exit

Your Choice: 1

1st Node: 0

2nd Node: 2

Cost : 7

- 1. Enter Edge
2. Exit

Your Choice: 1

1st Node: 1

2nd Node: 2

Cost : 1

- 1. Enter Edge
2. Exit

Your Choice: 1

1st Node: 1

2nd Node: 4

Cost : 2

- 1. Enter Edge
2. Exit

Your Choice: 1

1st Node: 2

2nd Node: 3

Cost : 6

- 1. Enter Edge
2. Exit

Your Choice: 1

1st Node: 2

2nd Node: 4

Cost : 2

1. Enter Edge

2. Exit

Your Choice: 1

1st Node: 3

2nd Node: 4

Cost : 4

1. Enter Edge

2. Exit

Your Choice: 2

Select the Options

1. Create Graph

2. Djiktra's Algorithm

3. Display Graph

4. Exit

Your Choice: 3

Tree:

1,0: 3

2,0: 7

2,1: 1

3,2: 6

4,1: 2

4,2: 2

4,3: 4

Select the Options

1. Create Graph

2. Djiktra's Algorithm

3. Display Graph

4. Exit

Your Choice: 2

Enter the source node: 0

Distance of source node (0) is:

0 0

1 3

2 4

3 9

4 5

Select the Options

1. Create Graph
2. Djiktra's Algorithm
3. Display Graph
4. Exit

Your Choice: 4

End

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