

Prim's algorithm

"C:\Users\hp ssd\Documents\engineering\sem 4\DAA\lab\prims_18-07-23.exe"

Enter the number of vertices: 5

Enter the adjacency matrix:

0 2 0 6 0

2 0 3 8 5

0 3 0 0 7

5 8 0 0 9

0 5 7 9 0

Edge Weight

0 - 1 2

1 - 2 3

0 - 3 6

1 - 4 5

Process returned 0 (0x0) execution time : 70.345 s

Press any key to continue.


Kruskal's Algorithm

"C:\Users\hp ssd\Documents\engineering\sem 4\DAA\lab\kruskals_18-07-23.exe"

```
Enter the number of vertices: 5
Enter the number of edges: 7
Enter the edges (src, dest, weight):
0 1 2
0 2 4
1 2 1
1 3 5
2 3 3
2 4 6
3 4 2
Edges in the minimum spanning tree:
0 - 1 : 2
0 - 2 : 1
0 - 3 : 3
0 - 4 : 2
Total weight of the minimum spanning tree: 8

Process returned 0 (0x0)   execution time : 26.229 s
Press any key to continue.
```

Dijkstra's Algorithm

 "C:\Users\hp ssd\Documents\engineering\sem 4\DAA\lab\dijkstra_18-07-23.exe"

```
Enter number of nodes: 4
Enter number of edges: 5
Enter the vertice numbers and the weight between them:
0 1 3
0 2 5
1 2 2
1 3 6
2 3 4
```

Shortest paths from node 0 to all other nodes:

```
Node 0: 0 units away
Node 1: 3 units away
Node 2: 5 units away
Node 3: 9 units away
```

```
Process returned 0 (0x0)   execution time : 21.451 s
Press any key to continue.
```