

Week 8

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Q2. Implement Krushkal's Algorithm for finding the Minimum Spanning Tree of a Graph. [Choose any weighted graph of your choice with minimum 6 Vertices and ≥ 6 Edges]

No of vertices is kept constant = 7

```
[satyam@Eulerton DSPLab]$ ./Kruskal
Enter the no of edges
10
1 2 5
1 4 3
2 3 7
2 5 3
3 6 15
3 5 8
3 7 10
4 5 2
5 6 3
6 7 20

Minimum cost= 28
```

When negative edge weight is provided, as Kruskal is greedy method, there won't be any problem if the edge weights are negative.

```
Enter the no of edges
6
1 2 -1
1 6 2
2 3 -2
5 6 4
4 5 5
4 7 7

Minimum cost= 15
```