

DATA STRUCTURE AND PROGRAM DESIGN LAB-08

Write a program to implement kruskals algorithm in grder to find minimum spanning tree of a connected weighteed and undirected graph

SAMPLE OUTPUT:

The screenshot shows a terminal window with the following content:

```
80     scanf("%d", &E);
81
82     printf("Enter edges (u v w):\n");
83     for (int i = 0; i < E; i++) {
84         scanf("%d%d%d", &edges[i].u, &edges[i].v, &edges[i].w);
85     }
86
87     KruskalMST(edges, V, E);

```

Below the code, there are tabs: PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (which is underlined), and PORTS.

```
PS C:\Users\Ankush\OneDrive\Desktop\DSPD-LAB>
PS C:\Users\Ankush\OneDrive\Desktop\DSPD-LAB> ./a.exe
Enter number of vertices: 4
Enter number of edges: 5
Enter edges (u v w):
0 1 10
0 2 6
0 3 5
1 3 15
2 3 4

Edges in the Minimum Spanning Tree:
2 -- 3 == 4
0 -- 3 == 5
0 -- 1 == 10

Total weight of MST = 19
PS C:\Users\Ankush\OneDrive\Desktop\DSPD-LAB>
```

On the left side of the terminal window, there is a vertical bar labeled "Practical-".