

# 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:

```
9
10 struct Subset {
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL    PORTS

PS C:\Users\Ankush\OneDrive\Desktop\DSPD-LAB> gcc Practical-8.c
PS C:\Users\Ankush\OneDrive\Desktop\DSPD-LAB> ./a.exe
Enter number of vertices: 3
Enter adjacency matrix (0 for no edge):
2 3 5
6 7 8
2 3 4

Edges in the Minimum Spanning Tree:
0 -- 1  Weight: 3
0 -- 2  Weight: 5

Total weight of MST = 8
PS C:\Users\Ankush\OneDrive\Desktop\DSPD-LAB>
```