Prims algo

```
Enter the number of vertices
5
Enter the cost of adjacency matrix
0 1 5 2 999
1 0 999 999 99
5 999 0 3 999
2 999 3 0 1.5
999 999 999 1.5 0
Minimum Spanning Tree
1,2-->1,4-->4,5-->4,3-->
 Total Cost = 7.500000
```

Kruskal algo

```
Enter the no. of vertices:5

Enter the cost adjacency matrix:
0 10 14 999 999
10 0 999 16 999
14 999 0 12 18
999 16 12 0 999
999 999 18 990 0
The edges of Minimum Cost Spanning Tree are
edge (1,1) =2
edge (2,3) =4
edge (3,1) =3
edge (4,3) =5

        Minimum cost = 54
```

Knapsack problem

```
enter no of objects
4
enter weights of object
2 1 3 2
enter profits of object
12 10 20 15
enter capacity of knapsack
5
OUTPUT:
0   0   0   0   0   0
0   0   12   12   12   12
0   10   12   22   22   22
0   10   12   22   30   32
0   10   15   25   30   37
Optimal  solution :  37
object selected :
1
2
4
```