**Group Details: G24**

* **Nikhil Sathe, Ankush Raizada, Kunal Krishna, Yogesh Darji**

Input : Directed Graph: G (V, E, Weight)

Output : List of Edges in MST and weight of MST

Algorithm : Edmond's Branching Algorithm

* Input format:

5 7

1 5 8

1 4 7

1 3 6

4 3 3

3 5 6

5 3 2

5 2 1

* Output format:

If number of nodes are more than 50

Weight of Graph

Time taken by program to find MST

Else

List of MST edges

Weight of Graph

Time taken by program to find MST

* Observations:

|  |  |
| --- | --- |
| # of nodes | Time |
| 100 | 4 |
| 200 | 4 |
| 100000 | 140 |