Minimum Spanning Tree :

→ A spanning tree is the subgraph of an undirected connected graph.
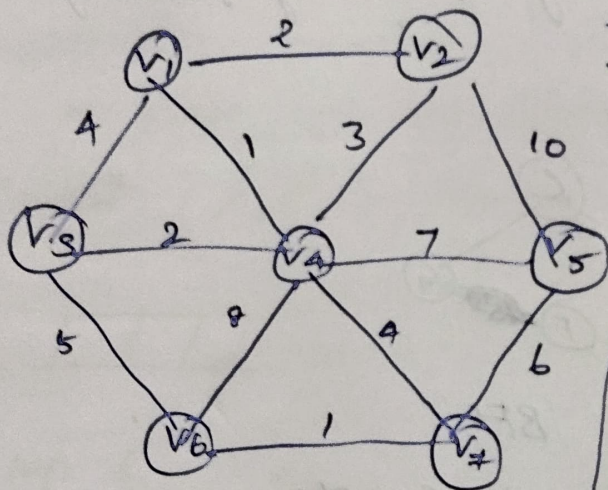
⇒ A Minimum spanning tree of an undirected graph G is a tree formed from graph edges that connects all the vertices of G at lowest total cost.

⇒ A minimum spanning tree exists if and only if G is connected.

→ To Implement Minimum spanning Tree using these 2 ways

* Prim's Algorithm
* Kuruskal's Algorithm.

Ex :

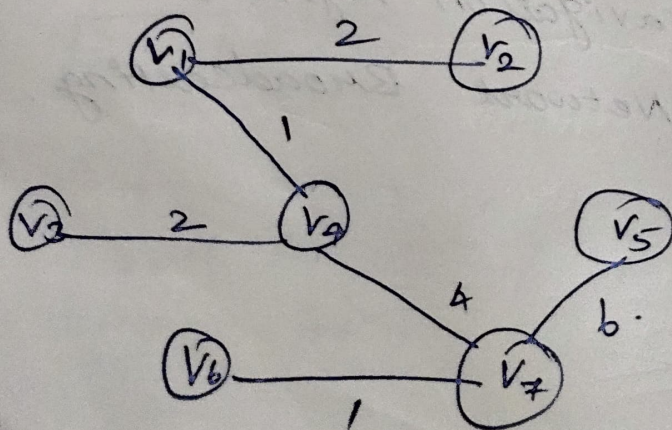→ Minimum spanning tree can be defined as the Spanning tree in which Sum of the weights of the edge is minimeem.

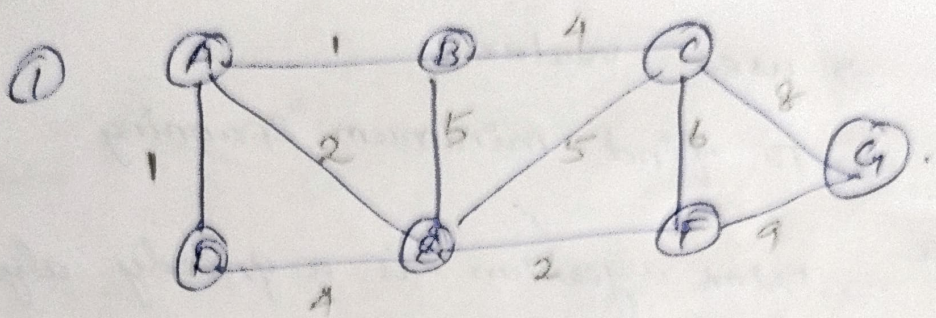→ The weight of the Spanning tree is the Sum of the weights given to the edges of the Spanning tree.
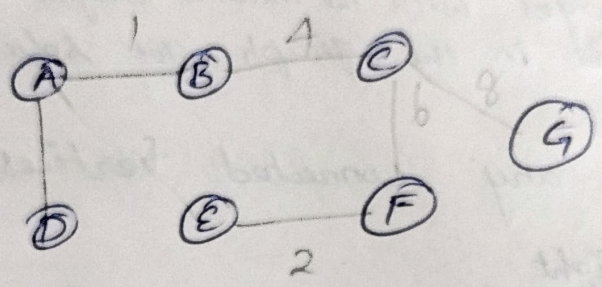
TO construct Minimum spanning Tree.

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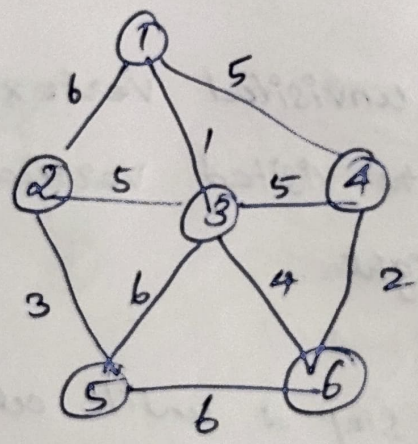
→ To construct Minimum spanning tree

②

To construct Minimum spanning Tree.