***Step 1:*** *Determine an arbitrary vertex as the starting vertex of the MST.*
***Step 2:*** *Follow steps 3 to 5 till there are vertices that are not included in the MST (known as fringe vertex).*
***Step 3:*** *Find edges connecting any tree vertex with the fringe vertices.*
***Step 4:*** *Find the minimum among these edges.*
***Step 5:*** *Add the chosen edge to the MST if it does not form any cycle.*
***Step 6:*** *Return the MST and exit*

*KRUKSAL'S ALGORITHM*

1. Step 1: Create a forest F in such a way that every vertex of the graph is a separ ate tree.
2. Step 2: Create a set E that contains all the edges of the graph.
3. Step 3: Repeat Steps 4 and 5 **while** E is NOT EMPTY and F is not spanning
4. Step 4: Remove an edge from E with minimum weight
5. Step 5: IF the edge obtained in Step 4 connects two different trees, then add it to the forest F
6. (**for** combining two trees into one tree).
7. ELSE
8. Discard the edge
9. Step 6: END