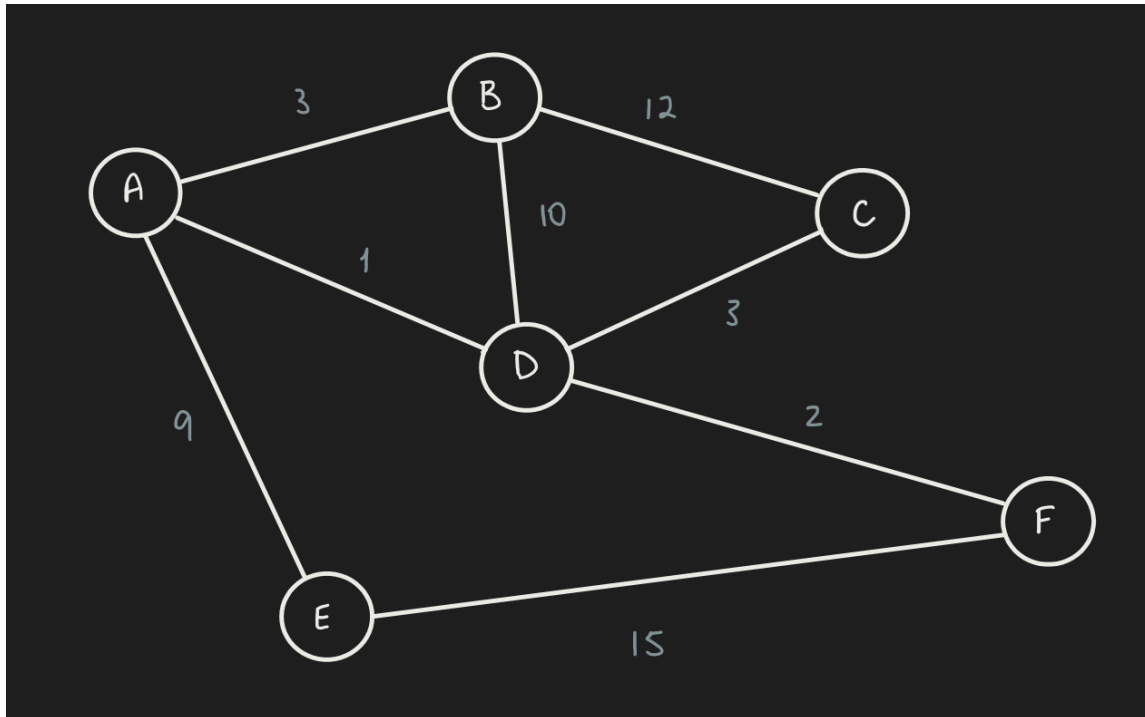1. A minimum spanning tree is a spanning tree that connects all the vertices of a graph together with the smallest possible sum of weights. It includes all the nodes and does so using edges that are pre-existing in the full graph.

Full graph:



Minimum Spanning Tree: