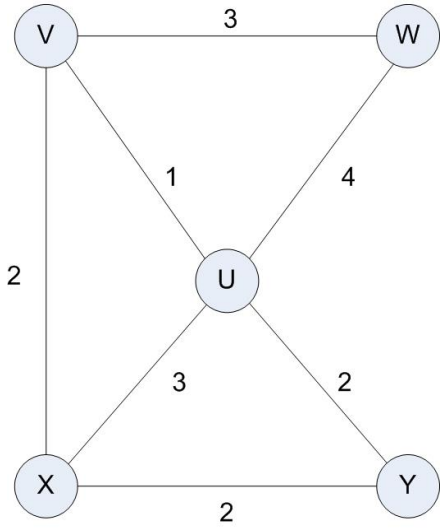
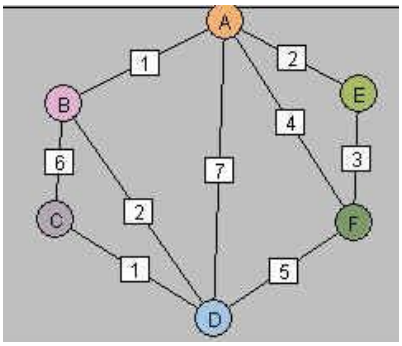
Lab 12

1. Carry out the steps of Dijkstra's algorithm to compute the length of the shortest path between vertex V and vertex Y in the graph below. Your final answer should consist of three elements:
    a) The length of the shortest path from V to Y
    b) The list A[] which shows shortest distances between V and every other vertex
    c) The list B[] which shows shortest paths between V and every other vertex



2. Carry out the steps of Kruskal's algorithm for the following weighted graph. Keep track of edges as they are added to T and show the state of evolving clusters through each iteration of the main while loop.



3. https://leetcode.com/problems/network-delay-time/description/
4. https://leetcode.com/problems/redundant-connection/description/
5. (Optional) https://leetcode.com/problems/min-cost-to-connect-all-points/description/