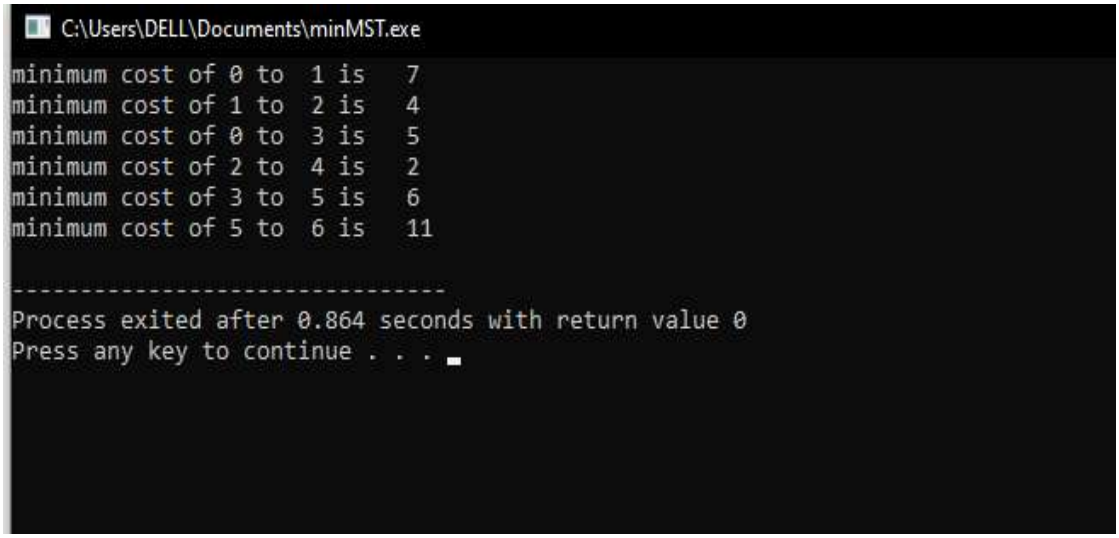

Conclusion: Here I write the code for to generate Minimum spanning tree for given cost matrix(7 node network) for this bidirectional network by prim's algorithm. After that I tried for 10 node network with density gradient 2, but still unclear the picture.