***NAME → SHIVAM KUMAR***

***ID → 201551087***

***LAB7 REPORT***

***COMMENTS →***

*KRUSKAL'S ALGORITHM* →

*In this I have taken input of edges and costs in different arrays then sorted the array of cost and swaped the edges as per cost and then started printing edges of tree if both vertex of edges are printed then skip (other wise loop will be formed) else print i.e. if both vertexes of edges are present in universal set i.e. sample array then skip that edge else print.*

*BreadthFirstSearch* →

*In this I have taken nodes as vertex of graphs as integer and each edges of same cost edge nodes are shown via matrix with entries of 0 or 1. Then taking any node as initial, start bfs using queue and print the output and when queue becomes empty means bfs is completed.*

*DepthFirstSearch* →

*In this I have taken nodes as vertex of graphs as integer and each edges of same cost edge nodes are shown via matrix with entries of 0 or 1. Then taking any node as initial, start dfs using stack and print the output and when stack becomes empty means dfs is completed .*