**Lab 5**

Q1. Write a program to implement weighted union find

Q2. Write a program for prim’s algorithm. Test it for the input:

graph = {

    '0':{'1':10, '3':30, '4':100},

    '1': {'0': 10, '2':50},

    '2': {'1': 50, '3': 20, '4': 10},

    '3': {'0': 30, '2': 20, '4': 60},

    '4': {'0': 100, '2': 10,'3':60}

}

Q3. Write a program for Kruskal’s algorithm.