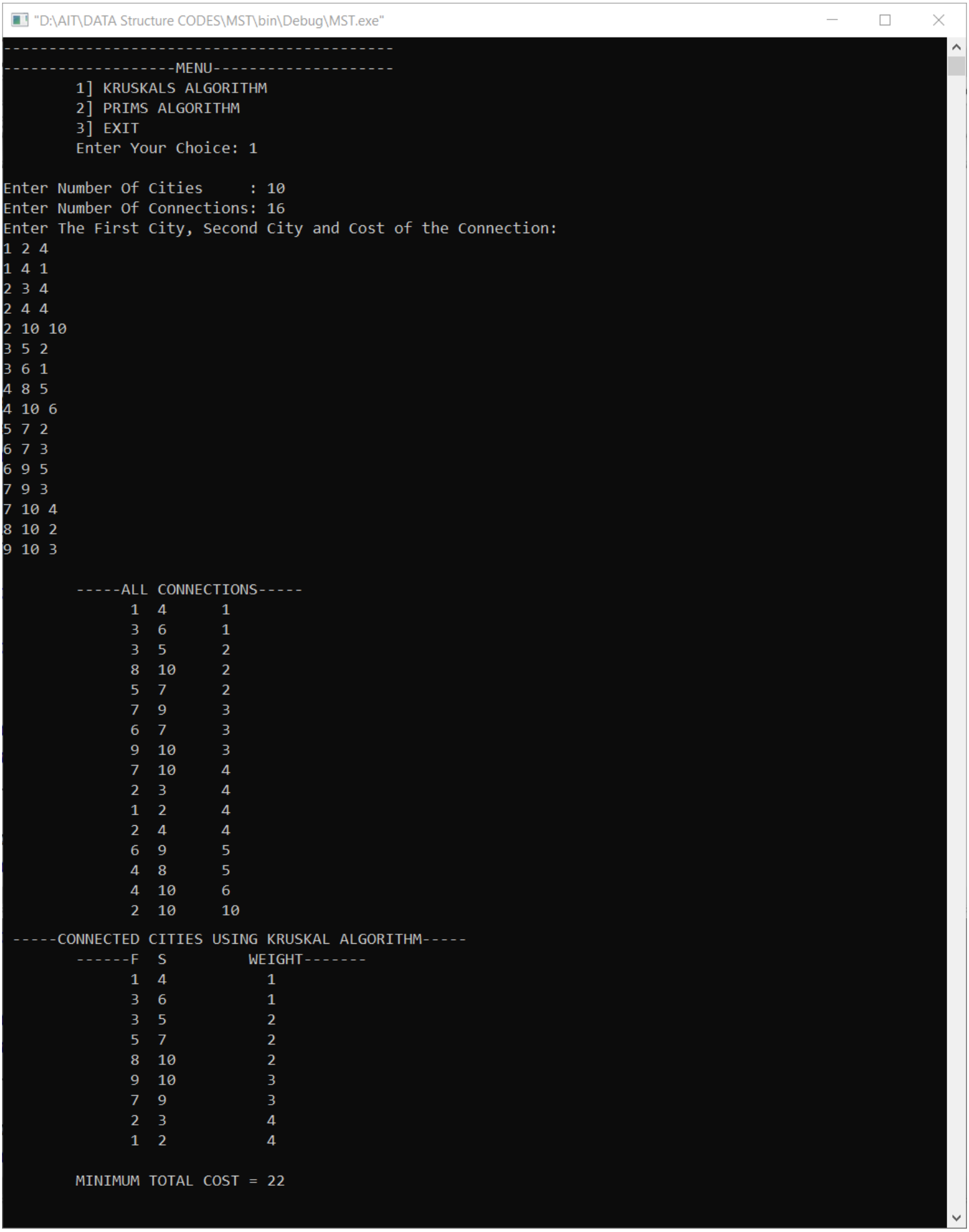
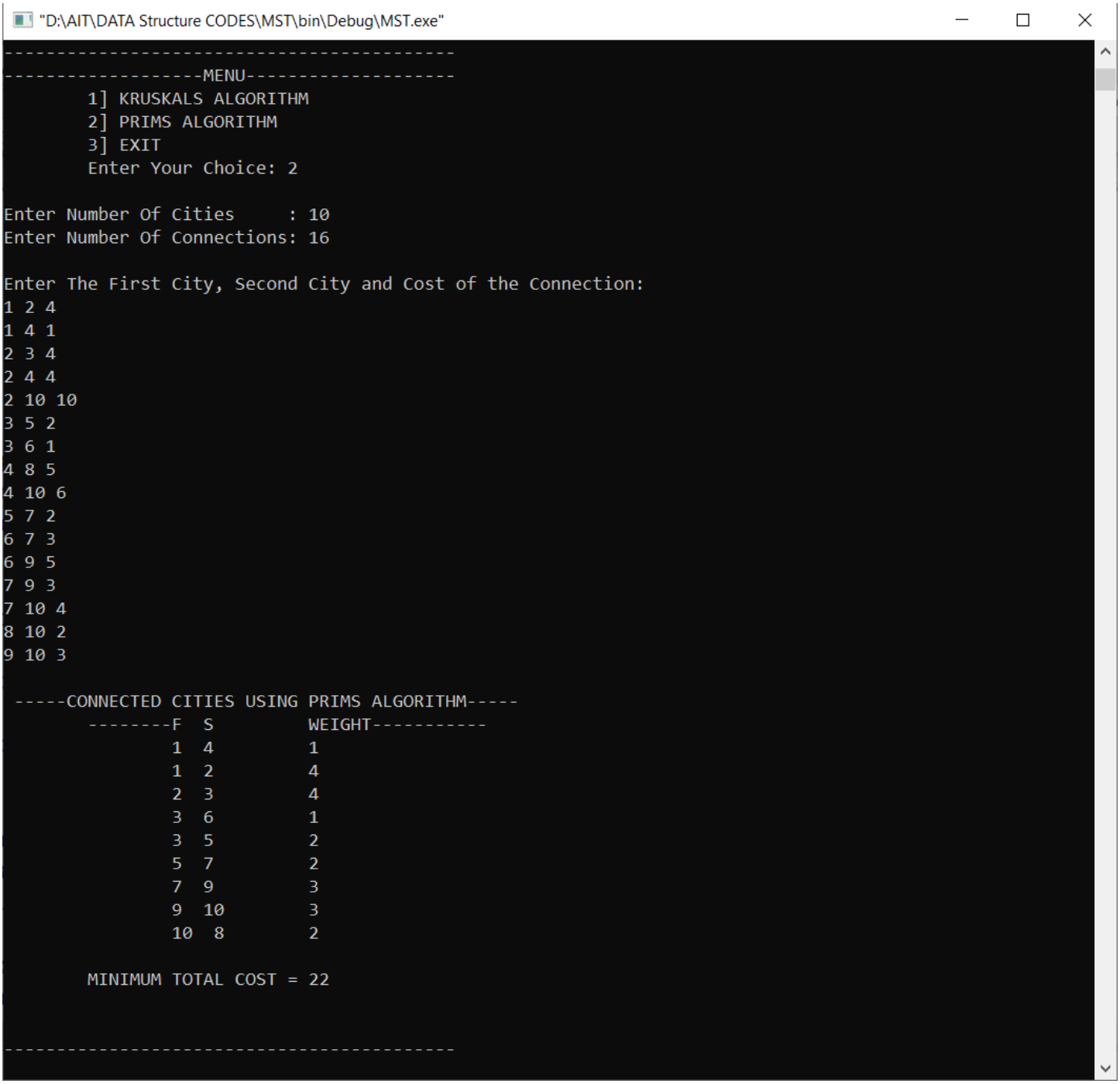
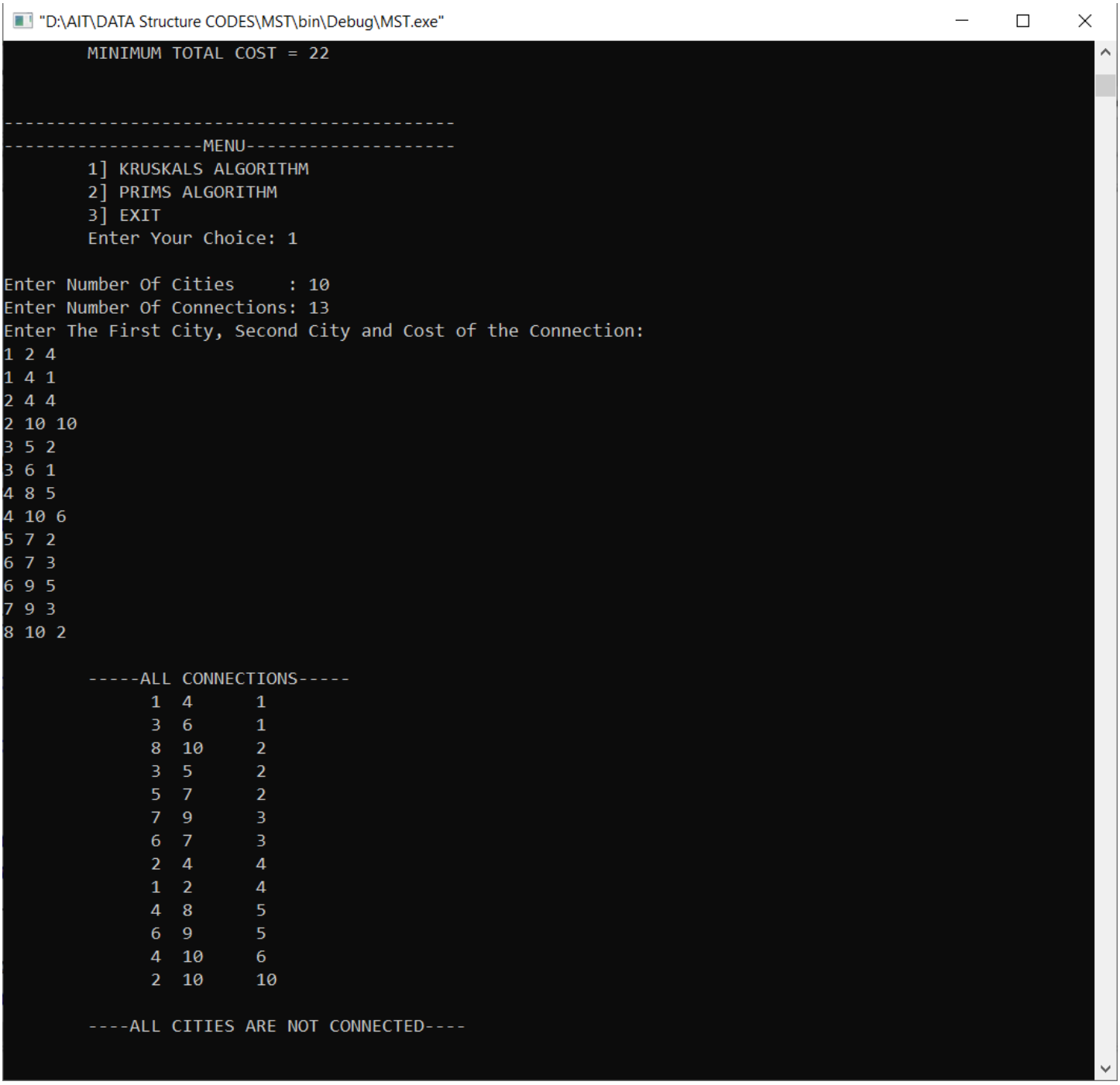
OUTPUT FOR CONNECTED GRAPH

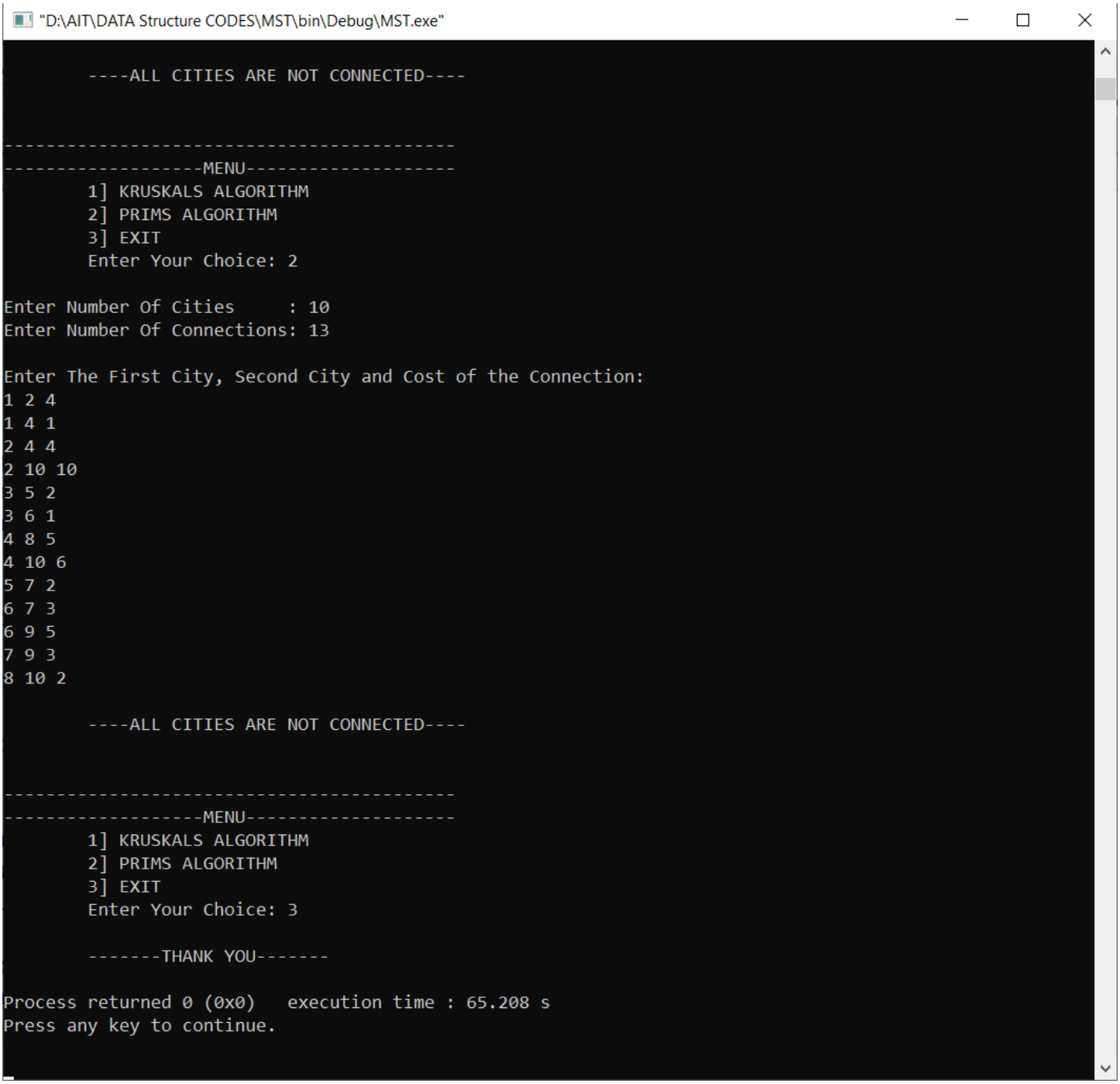


```
"D:\AIT\DATA Structure CODES\MST\bin\Debug\MST.exe"
------------------------------------------
-------------------MENU--------------------
        1] KRUSKALS ALGORITHM
        2] PRIMS ALGORITHM
        3] EXIT
        Enter Your Choice: 1

Enter Number Of Cities     : 10
Enter Number Of Connections: 16
Enter The First City, Second City and Cost of the Connection:
1 2 4
1 4 1
2 3 4
2 4 4
2 10 10
3 5 2
3 6 1
4 8 5
4 10 6
5 7 2
6 7 3
6 9 5
7 9 3
7 10 4
8 10 2
9 10 3

        -----ALL CONNECTIONS-----
              1  4      1
              3  6      1
              3  5      2
              8  10     2
              5  7      2
              7  9      3
              6  7      3
              9  10     3
              7  10     4
              2  3      4
              1  2      4
              2  4      4
              6  9      5
              4  8      5
              4  10     6
              2  10     10
 -----CONNECTED CITIES USING KRUSKAL ALGORITHM-----
        ------F  S         WEIGHT-------
              1  4           1
              3  6           1
              3  5           2
              5  7           2
              8  10          2
              9  10          3
              7  9           3
              2  3           4
              1  2           4

        MINIMUM TOTAL COST = 22
```

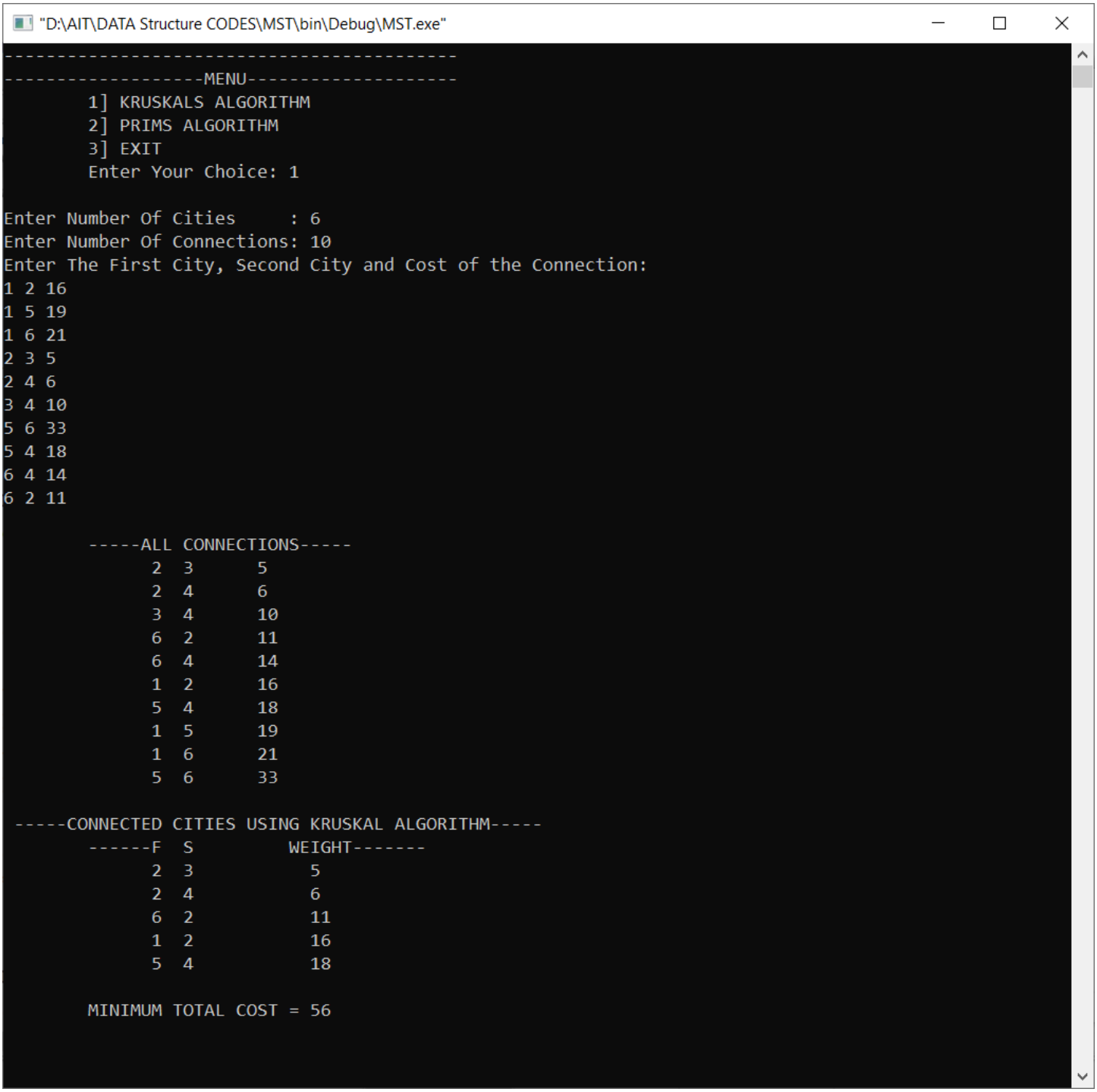

"D:\AIT\DATA Structure CODES\MST\bin\Debug\MST.exe"
----------MENU----------
1] KRUSKALS ALGORITHM
2] PRIMS ALGORITHM
3] EXIT
Enter Your Choice: 2
Enter Number Of Cities : 10
Enter Number Of Connections: 16
Enter The First City, Second City and Cost of the Connection:
1 2 4
1 4 1
2 3 4
2 4 4
2 10 10
3 5 2
3 6 1
4 8 5
4 10 6
5 7 2
6 7 3
6 9 5
7 9 3
7 10 4
8 10 2
9 10 3
-----CONNECTED CITIES USING PRIMS ALGORITHM-----
--------F S WEIGHT-----------
1 4 1
1 2 4
2 3 4
3 6 1
3 5 2
5 7 2
7 9 3
9 10 3
10 8 2
MINIMUM TOTAL COST = 22

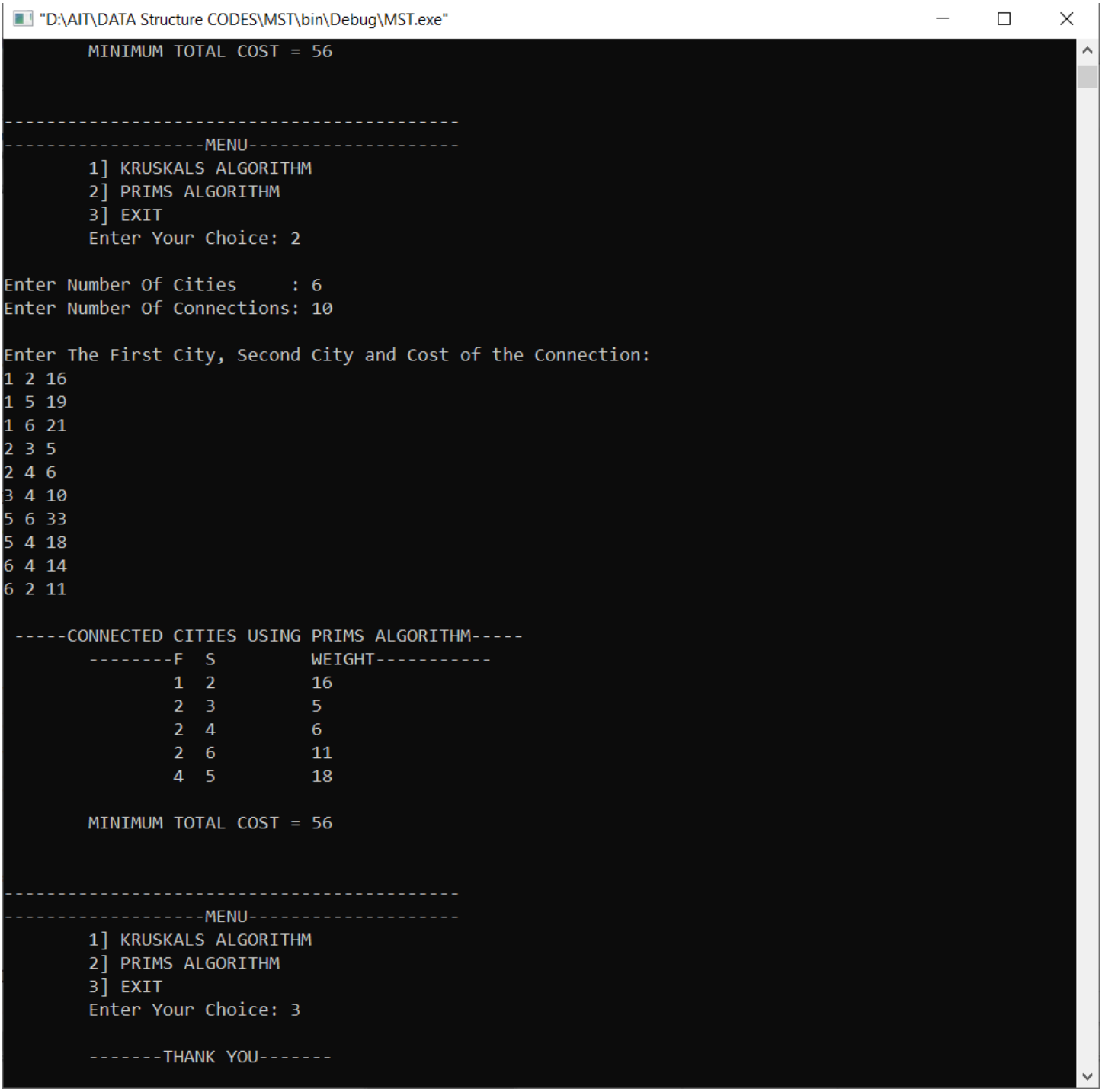
OUTPUT FOR NOT CONNECTED GRAPH




"D:\AIT\DATA Structure CODES\MST\bin\Debug\MST.exe"
----ALL CITIES ARE NOT CONNECTED----
----------MENU----------
1] KRUSKALS ALGORITHM
2] PRIMS ALGORITHM
3] EXIT
Enter Your Choice: 2
Enter Number Of Cities : 10
Enter Number Of Connections: 13
Enter The First City, Second City and Cost of the Connection:
1 2 4
1 4 1
2 4 4
2 10 10
3 5 2
3 6 1
4 8 5
4 10 6
5 7 2
6 7 3
6 9 5
7 9 3
8 10 2
----ALL CITIES ARE NOT CONNECTED----
----------MENU----------
1] KRUSKALS ALGORITHM
2] PRIMS ALGORITHM
3] EXIT
Enter Your Choice: 3
-------THANK YOU-------
Process returned 0 (0x0) execution time : 65.208 s
Press any key to continue.

OUTPUT 2


"D:\AIT\DATA Structure CODES\MST\bin\Debug\MST.exe"
----------MENU----------
1] KRUSKALS ALGORITHM
2] PRIMS ALGORITHM
3] EXIT
Enter Your Choice: 1
Enter Number Of Cities : 6
Enter Number Of Connections: 10
Enter The First City, Second City and Cost of the Connection:
1 2 16
1 5 19
1 6 21
2 3 5
2 4 6
3 4 10
5 6 33
5 4 18
6 4 14
6 2 11
-----ALL CONNECTIONS-----
2 3 5
2 4 6
3 4 10
6 2 11
6 4 14
1 2 16
5 4 18
1 5 19
1 6 21
5 6 33
-----CONNECTED CITIES USING KRUSKAL ALGORITHM-----
------F S WEIGHT-------
2 3 5
2 4 6
6 2 11
1 2 16
5 4 18
MINIMUM TOTAL COST = 56


"D:\AIT\DATA Structure CODES\MST\bin\Debug\MST.exe"
MINIMUM TOTAL COST = 56
----------MENU----------
1] KRUSKALS ALGORITHM
2] PRIMS ALGORITHM
3] EXIT
Enter Your Choice: 2
Enter Number Of Cities : 6
Enter Number Of Connections: 10
Enter The First City, Second City and Cost of the Connection:
1 2 16
1 5 19
1 6 21
2 3 5
2 4 6
3 4 10
5 6 33
5 4 18
6 4 14
6 2 11
-----CONNECTED CITIES USING PRIMS ALGORITHM-----
--------F S WEIGHT-----------
1 2 16
2 3 5
2 4 6
2 6 11
4 5 18
MINIMUM TOTAL COST = 56
----------MENU----------
1] KRUSKALS ALGORITHM
2] PRIMS ALGORITHM
3] EXIT
Enter Your Choice: 3
-------THANK YOU-------