Lazy Implementation of Dijkstras.

**4.4.39: Lazy implementation of Dijkstra’s algorithm.** Develop an implementation of the lazy version of Dijkstra’s algorithm from source vertex 0.

**Input Format:**

* The first line of the input contains the number of vertices (V).
* The second line of the input contains the number of edges (E).
* Next E lines contains 2 integers where the first integer is vertex U and the second integer is vertex V and one floating value which is a weight of the vertex (U – V). These values are separated by spaces (“ “).

**Output Format:**

* Print the distances from source vertex to all other vertices in ascending order of their destination vertices. Check for the sample output.

**Sample Input:**

8

15

4 5 0.35

5 4 0.35

4 7 0.37

5 7 0.28

7 5 0.28

5 1 0.32

0 4 0.38

0 2 0.26

7 3 0.39

1 3 0.29

2 7 0.34

6 2 0.40

3 6 0.52

6 0 0.58

6 4 0.93

**Sample Output:**

0 to 0 : 0.0

0 to 1 : 1.05

0 to 2 : 0.26

0 to 3 : 0.99

0 to 4 : 0.38

0 to 5 : 0.73

0 to 6 : 1.51

0 to 7 : 0.6