Execution Output

Test case – 1: -

This test case cover scenario where all the edges are positive.

Input: -

4 6

0 1 5

0 2 8

0 3 9

1 2 3

1 3 4

2 3 1

Output: -

Shortest distances from vertex 0:

0 5 8 9

Shortest distances from vertex 1:

INF 0 3 4

Shortest distances from vertex 2:

INF INF 0 1

Shortest distances from vertex 3:

INF INF INF 0

Test case – 2: -

This test case covers the scenario of the graph including negative edges and negative weight cycles.

Input: -

5 7

0 1 6

0 3 7

1 2 5

1 3 8

1 4 -4

2 1 -2

3 2 -3

Output:

Shortest distances from vertex 0:

0 1 6 7 3

Shortest distances from vertex 1:

INF 0 5 8 4

Shortest distances from vertex 2:

INF -2 0 1 -3

Shortest distances from vertex 3:

INF INF INF 0 INF

Shortest distances from vertex 4:

INF INF INF INF 0