Output: (Routing and forwarding table)

Steps:

1. Enter source node (For a=0, b=1, c=2, d=3):

Put source: 0 (for a=0)

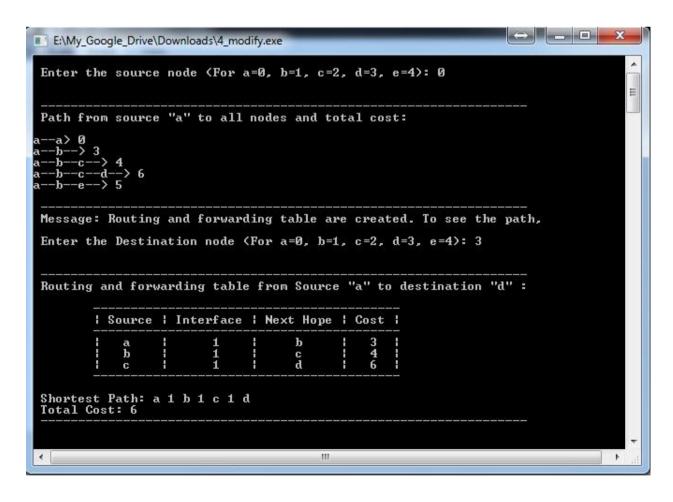
- 2. It shows the shortest path from source node 'a' to all other nodes and total cost of the shortest path.
- 3. Then routing and forwarding table are created (Internal Implementation)
- 4. To show the shortest path from source to any destination,

Put destination: 3 (for d=3)

- 5. It shows the routing and forwarding table (both are merged) including following values:
 - i. Source Node
 - ii. Interface
 - iii. Next Hope
 - iv. Cost
- 6. Final statement includes: shortest path from source to destination, representation of nodes and interfaces.

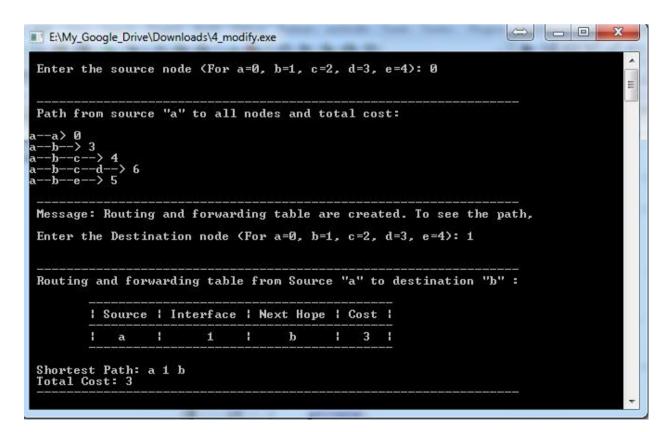
Here shortest path from A - D is -> a 1 b 1 c 1 d and cost: 6

a. For path a – d



b. For path a - e

c. For path a - b



d. For path a - c

