[2.] The above programme result:
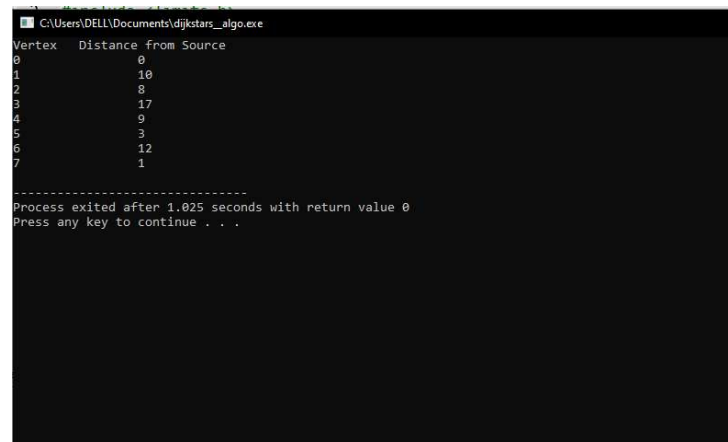


```
C:\Users\DELL\Documents\dijkstars__algo.exe
Vertex    Distance from Source
0                0
1                10
2                8
3                17
4                9
5                3
6                12
7                1

-------------------------------
Process exited after 1.025 seconds with return value 0
Press any key to continue . . .
```

Conclusion: Here the report below I write the code for to find the shortest path between the two nodes by Dijkstra's algorithm.