## **Experiment No: 8**

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**Program:** 

## Implement MultiStage Graph

```
#include<bits/stdc++.h>
using namespace std;
#define N 8
#define INF INT MAX
int shortestDist(int graph[N][N])
  int dist[N];
  dist[N - 1] = 0;
  for (int i = N - 2; i \ge 0; i--)
     dist[i] = INF;
     for (int j = i; j < N; j++)
       if (graph[i][j] == INF)
          continue;
       dist[i] = min(dist[i], graph[i][j] + dist[j]);
     }
  cout << "minimum distance between from source node to target node:" << endl;
  return dist[0];
int main()
  cout << "Name : Aniket Tiwari\n";</pre>
```

## **Output:**

```
Microsoft Windows [Version 10.0.22621.521]
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D:\Programming\College Experiments\TY 5 Sem\DAA Lab>cd "d:\Programming\CogeGraph && "d:\Programming\College Experiments\TY 5 Sem\DAA Lab\"MultiStaname: Aniket Tiwari
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minimum distance between from source node to target node: 11
d:\Programming\College Experiments\TY 5 Sem\DAA Lab>
```