

C:\Users\mudir\OneDrive\Documents\DS23.cpp - [Executing] - Embarcadero Dev-C++ 6.3

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 9.2.0 64-bit Release

(globals)

Project Class DS23.cpp

```
58 |         j = i;
59 |         do {
60 |             j = pred[j];
61 |             printf(" <- %d", j);
62 |         } while (j != start);
63 |         printf("\n");
64 |     }
65 | }
66 |
67 | int main() {
68 |     int graph[MAX][MAX], n, i, j, start;
69 |
70 |     printf("Enter number of vertices: ");
71 |     scanf("%d", &n);
72 |
73 |     printf("Enter the adjacency matrix (use 0 for no edge):");
74 |     for (i = 0; i < n; i++)
75 |         for (j = 0; j < n; j++)
76 |             scanf("%d", &graph[i][j]);
77 |
78 |     printf("Enter starting vertex (0 to %d): ", n - 1);
79 |     scanf("%d", &start);
80 |
81 |     dijkstra(graph, n, start);
82 |
83 |     return 0;
84 | }
85 |
```

Compiler Resources Compile Log Debug Find Results Console Close

Abort Compilation

Shorten compiler path

Errors: 0
Warnings: 0
Output Filename: C:\Users\mudir\OneDrive\Documents\DS23.exe
Output Size: 324.6630859375 KiB
Compilation Time: 0.19s

Line: 85 Col: 1 Sel: 0 Lines: 85 Length: 2241 Insert Done parsing in 0 seconds

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Search

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```
C:\Users\mudir\OneDrive\Documents\DS23.exe
Enter number of vertices: 3
Enter the adjacency matrix (use 0 for no edge):
13 24 35
24 67 89
24 46 84
Enter starting vertex (0 to 2): 2

Shortest distances from node 2:

Distance to node 0 = 24
Path = 0 <- 2

Distance to node 1 = 46
Path = 1 <- 2

-----
Process exited after 17.5 seconds with return value 0
Press any key to continue . . .
```