CS3093D: Networks Laboratory

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B180462CS

Experiment - 05 Snapshots

There are two source code files in the folder B180462CS_Exp5, namely

1. q1_distanceVector.c
2. q2_linkState.c

which contains the C code implementation of

1. Distance Vector Routing (DVR) algorithm using Bellman-Ford
2. Link State Algorithm using Dijkstra's

respectively.

Open a terminal in this folder.

Compile the first program using the following command:

gcc q1_distanceVector.c -o q1

Run the executable file using the command :

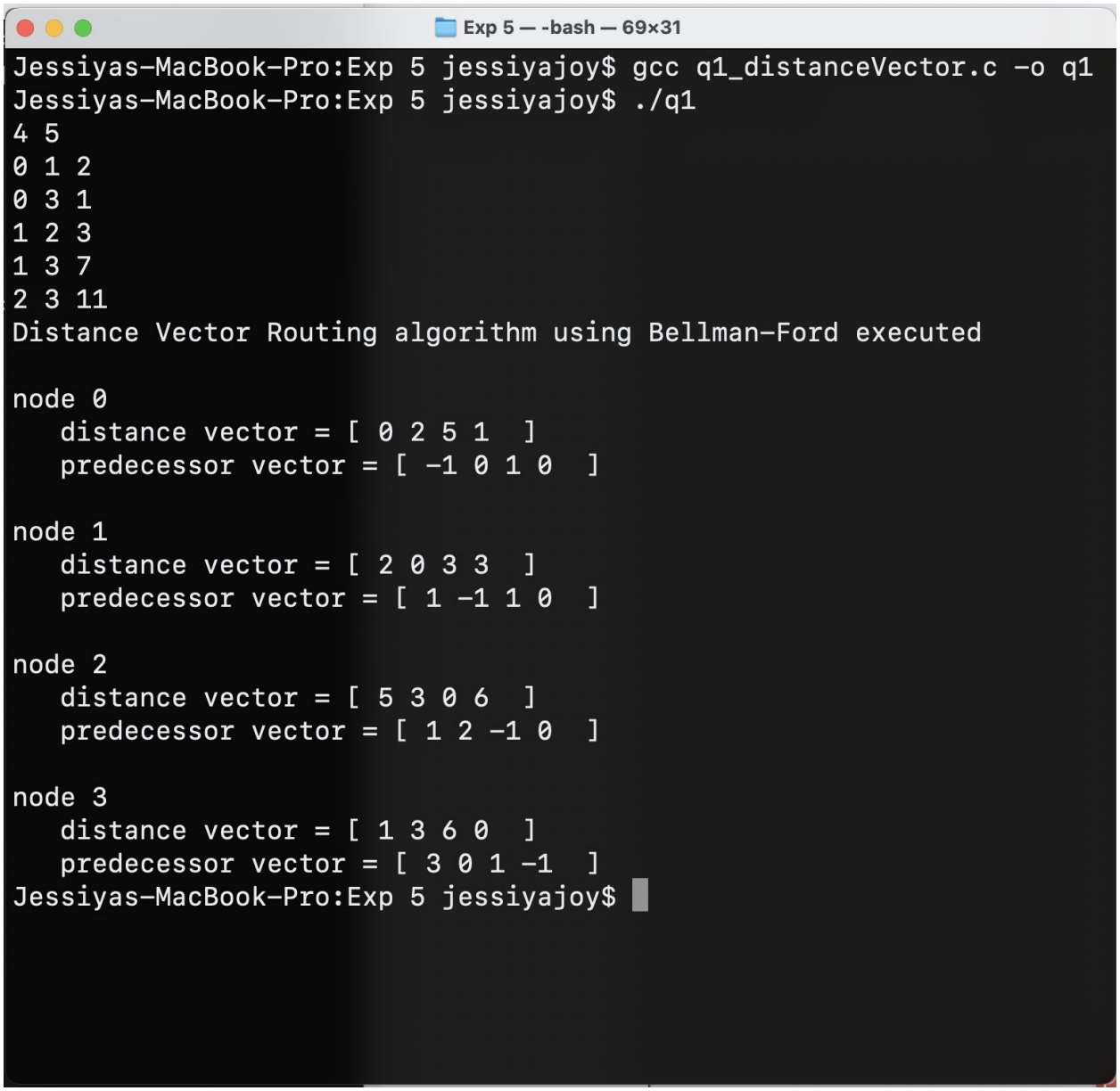
./q1

For both the programs enter input in the following format :
Input :

n m
u1 v1 w1
.
.
um vm wm

'n' is the number of nodes and 'm' is the number of links.

Each edge i is described in it's own line where ui and vi are the source and destination vertices respectively. (wi is the weight for the i-th link)



Compile the second program using the following command:

gcc q2_linkState.c -o q2

Run the executable file using the command :

./q2