

# CN LAB 6

## N SREE DHYUTI, CED19I027

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Server :

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dhyuti_n@dhyuti-VirtualBox: ~/cn/lab6
dhyuti_n@dhyuti-VirtualBox:~/cn/lab6$ gcc server.c -o server
dhyuti_n@dhyuti-VirtualBox:~/cn/lab6$ ./server
Message from Client: Hi! I am client!

Server Message Sent!!!

Calculating Routing Table!!!

Distance Vector Routing Table Sent!!!
dhyuti_n@dhyuti-VirtualBox:~/cn/lab6$
```

Client :

```
dhyuti_n@dhyuti-VirtualBox: ~/cn/lab6
dhyuti_n@dhyuti-VirtualBox:~/cn/lab6$ ./client
Client Message Sent!!!

Message from Server: Hello Client! Welcome!

Enter the number of nodes: 3

Enter the cost matrix:
0 2 7
2 0 1
7 1 0

Distance Vector Routing Table:

For Router 1:
Destination: 1 ; Distance: 0 ; Next Hop: 1
Destination: 2 ; Distance: 2 ; Next Hop: 2
Destination: 3 ; Distance: 3 ; Next Hop: 2

For Router 2:
Destination: 1 ; Distance: 2 ; Next Hop: 1
Destination: 2 ; Distance: 0 ; Next Hop: 2
Destination: 3 ; Distance: 1 ; Next Hop: 3

For Router 3:
Destination: 1 ; Distance: 3 ; Next Hop: 2
Destination: 2 ; Distance: 1 ; Next Hop: 2
Destination: 3 ; Distance: 0 ; Next Hop: 3
dhyuti_n@dhyuti-VirtualBox:~/cn/lab6$
```