# **CSE 5004**

COMPUTER NETWORKS

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## Assessment – 2

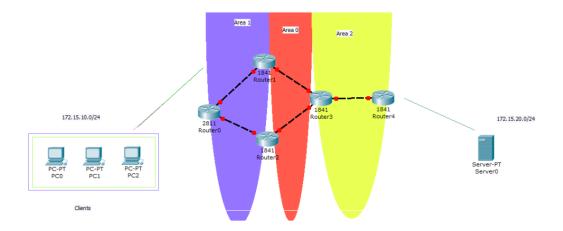
L1+L2 | SJT418
WINTER SEMESTER 2020-21

by

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19BCE2105

#### Question

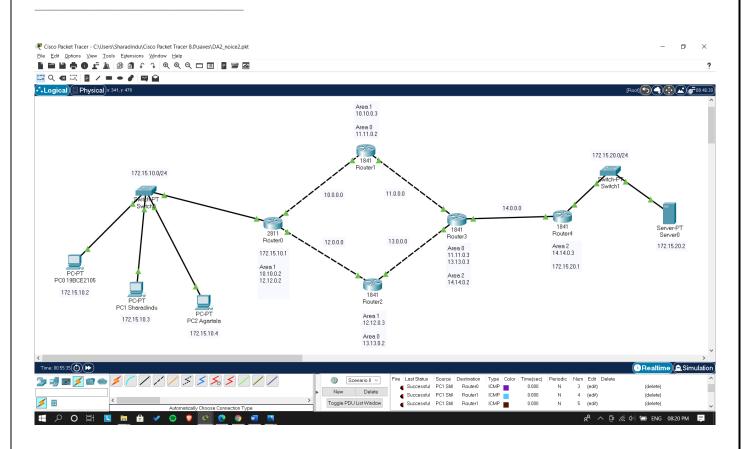


- a) Enable OSPF on all routers
- b) Enable area 0 on router 1,2 & 3
- c) Enable area 1 on router 0,1 & 2
- d) Enable area 2 on router 3 & 4
- e) Verify the neighbour routing on all routers
- f) Verify that the clients can successfully access the server.
- g) Rename the client name as given below.

PC Name 1 :- Your Reg.No; PC Name 2:- Your Name; PC Name 3:- Your location

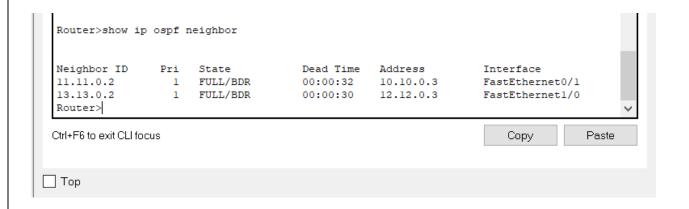
h) Assume the router ip address and assign PC & server ip address as per given in above figure.

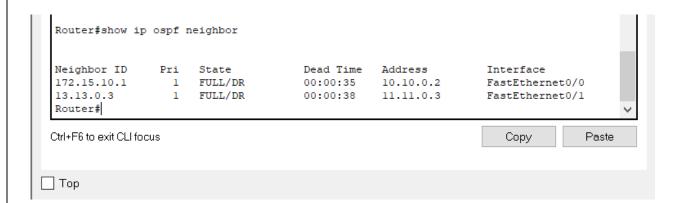
#### Solution

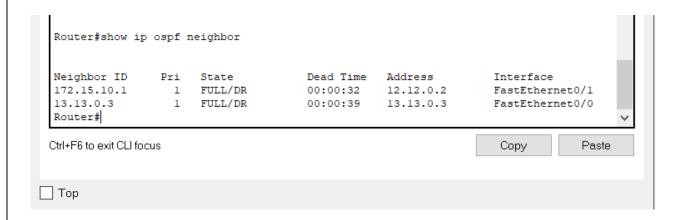


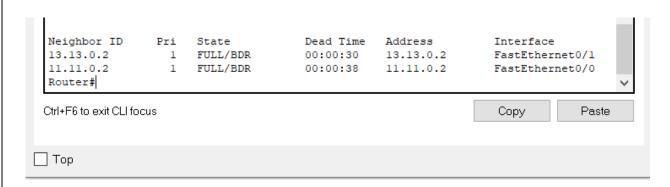
#### a) Enable OSPF on all routers

after enabling:



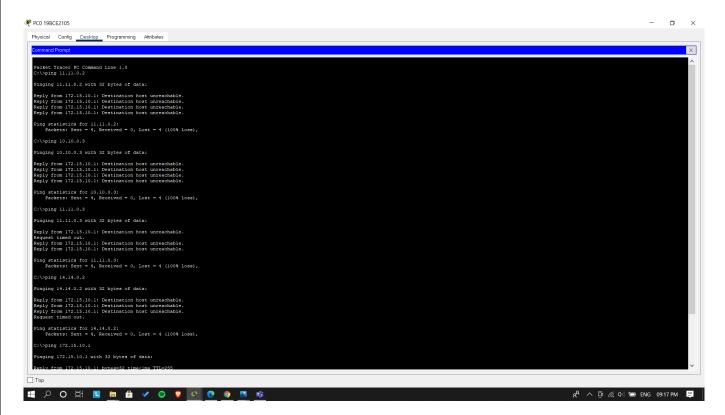




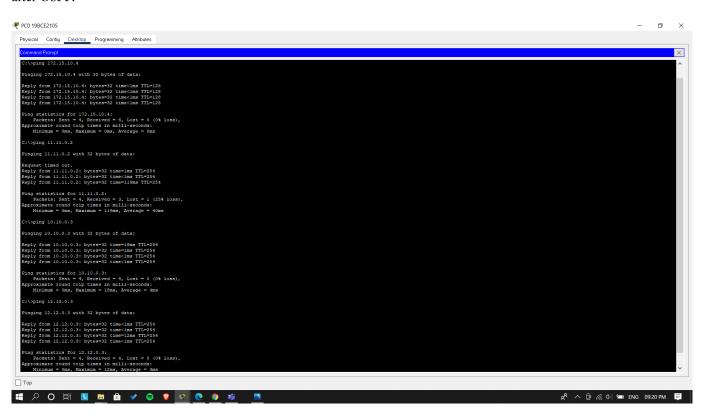


Since for all PCs the input IPs and processes are similar, snaps of ping command performed from 1 PC are enclosed to keep everything clusterfree:

#### before OSPF:

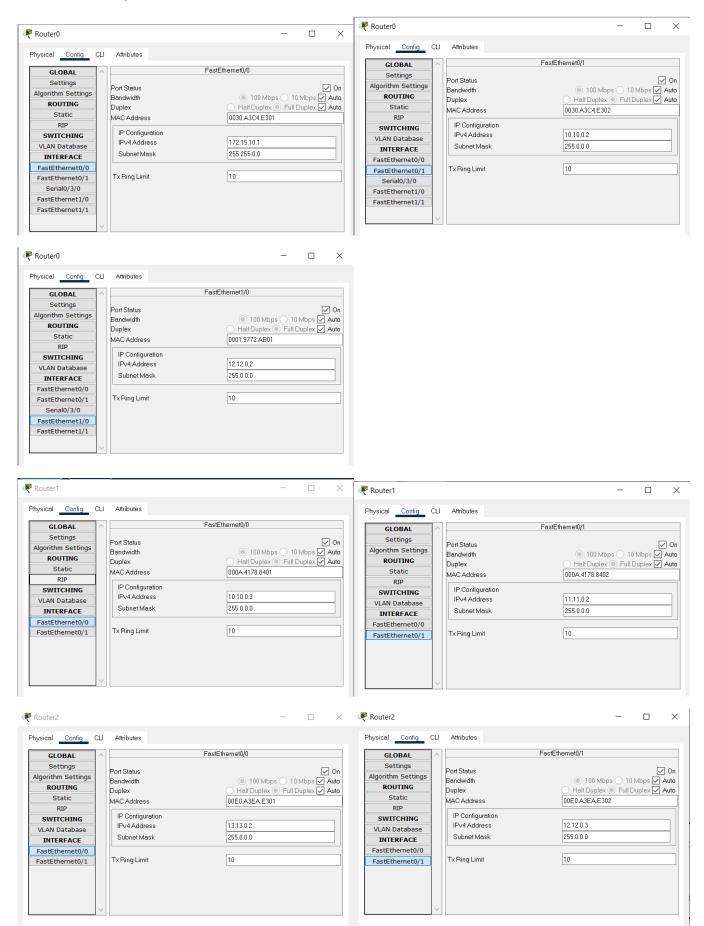


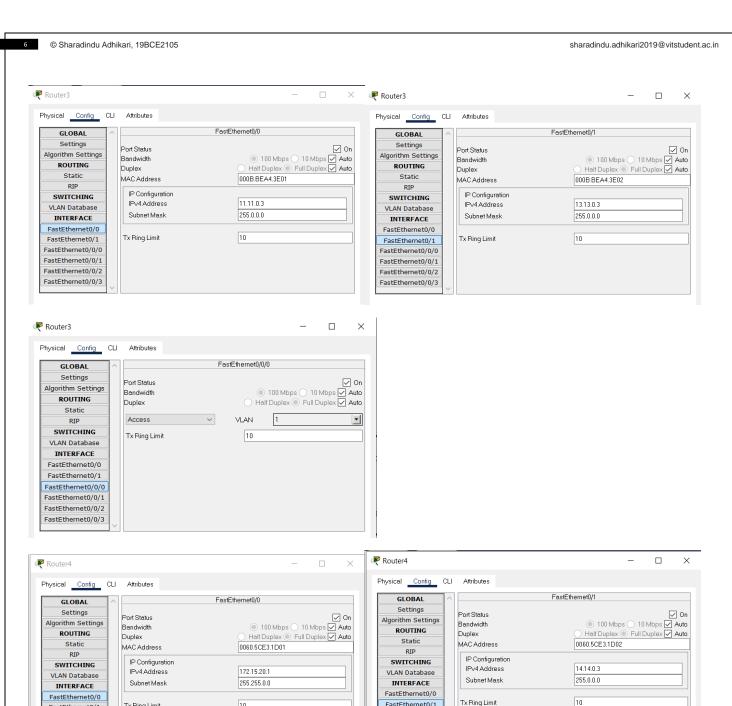
#### after OSPF:

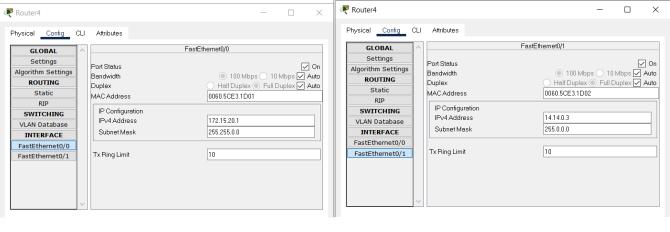


#### Router configurations

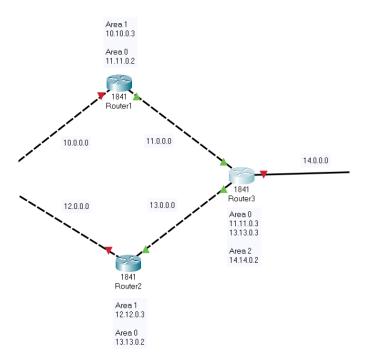
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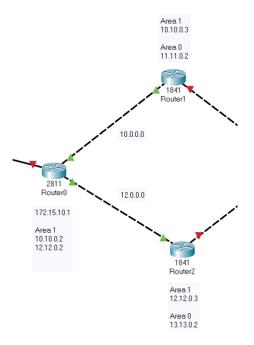




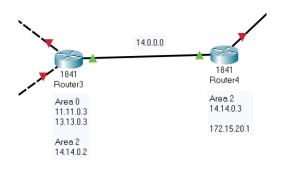
#### b) Enable area 0 on routers 1, 2 & 3



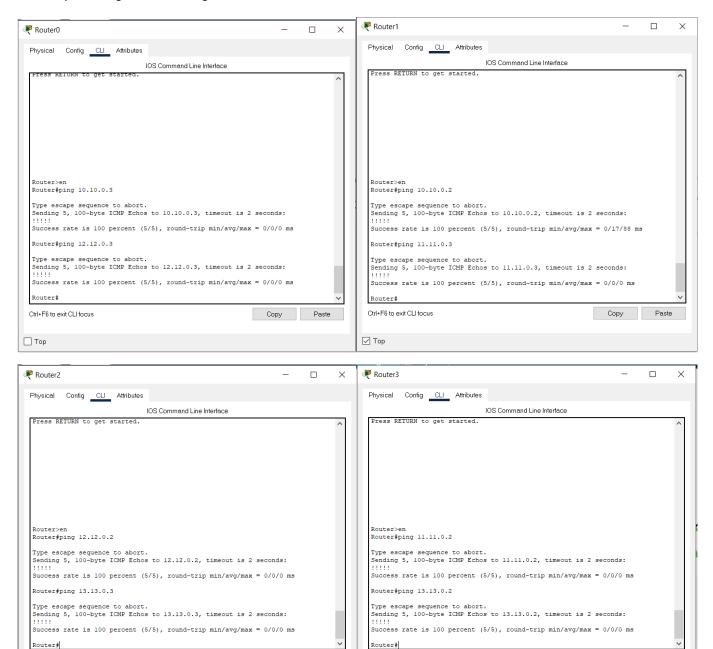
#### c) Enable area 1 on routers 0, 1 & 2



#### d) Enable area 2 on routers 3 & 4



#### e) Verify the neighbour routing on all routers



#### f) Verify that the clients can successfully access the server

Сору

Paste

Ctrl+F6 to exit CLI focus

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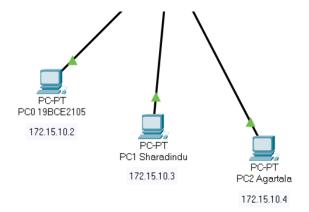
Ctrl+F6 to exit CLI focus



Сору

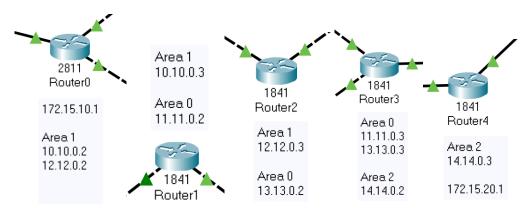
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## g) Rename the client name as given: PC Name 1: Your Reg. No.; PC Name 2: Your Name; PC Name 3: Your Location



### h) Assume the router IP address and assign PC & server IP address as per given in the figure.

Given, the IP addresses of PCs and Server, the IPs of Routers are assumed as:



with the networks as:

