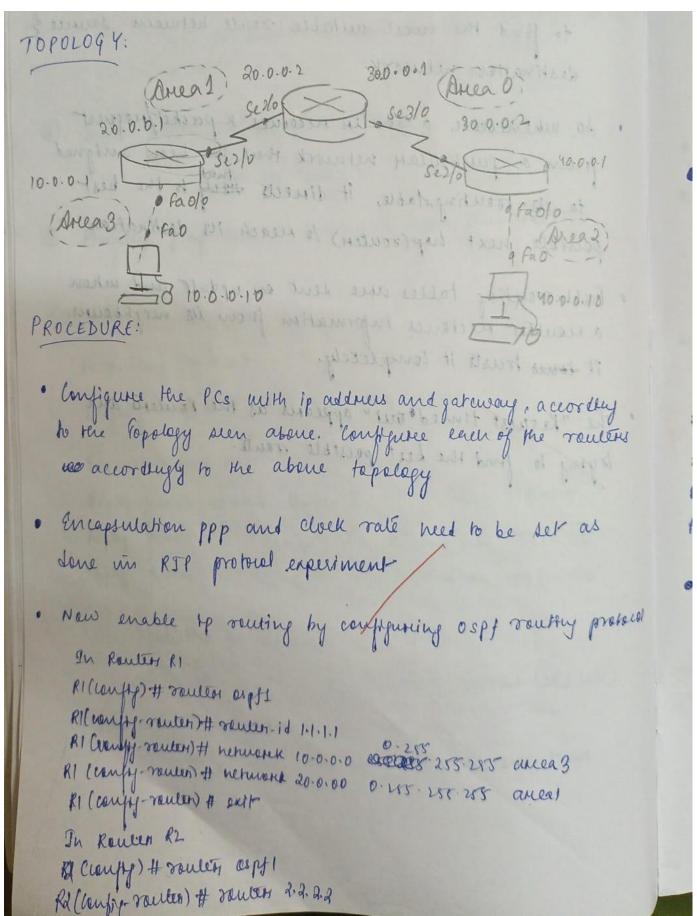
Experiment 6

AIM: Configure OSPF routing protocol



B(anyy-soules) # network 20-0-0 D-255-255 area 1 12 (voily)-router) + netura 30.0.0.0 0.215.255.255 anea 0 RE(confy Boules) Herit es literation assessed as the state of the III Rouley 3 13(confy) & Roulea espt. 13 County 8) # 100 Kaules 3.3.3.3 BCompg-reuler) # neprink 30.0.0.0 and 0 Re(coupy nouter) of nemusic 40.0.0.0 and 2 record # exits by mather of the girls of many minds crops a · set up loop back RI (confry-if) # interface laopbacko RI (Outy-4) # ip add 172.16.1.252 255.255.0.0 Al (confort) # no shut C 1100000 R2(unjoj-4) # outerface loop back o R2(config-4) # ip address 172.16.1.253 255.285.00 Ra(confy-4) # no shut R3 (confog- 17) # interface loopback o R3(compy-4) + 60000000 ap add 172.16.1.259 285.255.0.0

As language + no shut

· Greate Worked which between the roulers

Fu R1 (and April Louis) of hours on it make addition RI Conjugat to acopy remen aspf 1 RI (config-routers) # aneal mentral that 2.2.2

SOOR3 Ju RZ Ad Genty-souten) # set renter 019+3 Rd (confy-routers) # area2 whiched lank 1.1.1.1 R3 (config router) # area o virtuel-Hick 3.3.3.3

R1 (config router) # exit

The R3

R3 (config router) router aspf 3

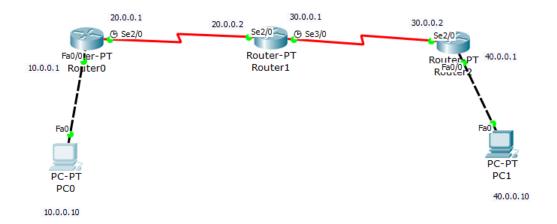
R3 (config router) area o virtual link 2.2.2.3

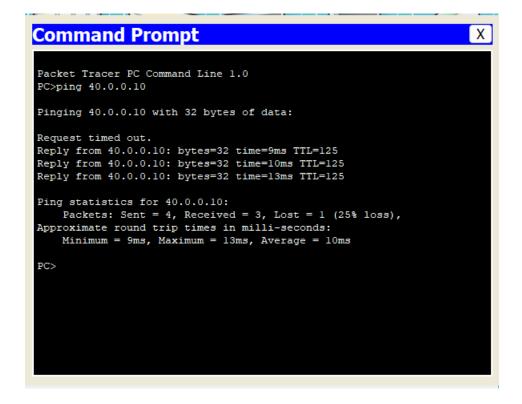
R1 3' R2 get updated about area 1 5

R2 3' R3 get updated about area 0

Now check connectivity beth the 2 startors by linging each othere.

OUTPUT:





OBSERVATION:

Observation

protocol and as the name suggests, it is used to find the kest and the ophimal path may between the starting point and the destination tanget roulest usby its own showeste path frust algorithms.

EXPENSIMENT - S

- · OSPF moreus on port no. 89
- o OSPF generales a topological map of the network forum analable roulet; lack network-to-network connection is designated as an area. (anew 3, 1, 0, 2)
- o Apleor the white-links once made between areas, which is connected to the backborne area, we can pay mensages successfully.