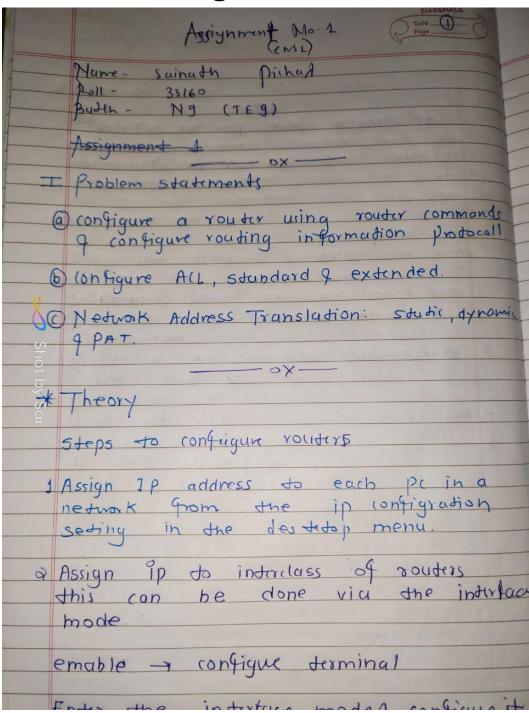
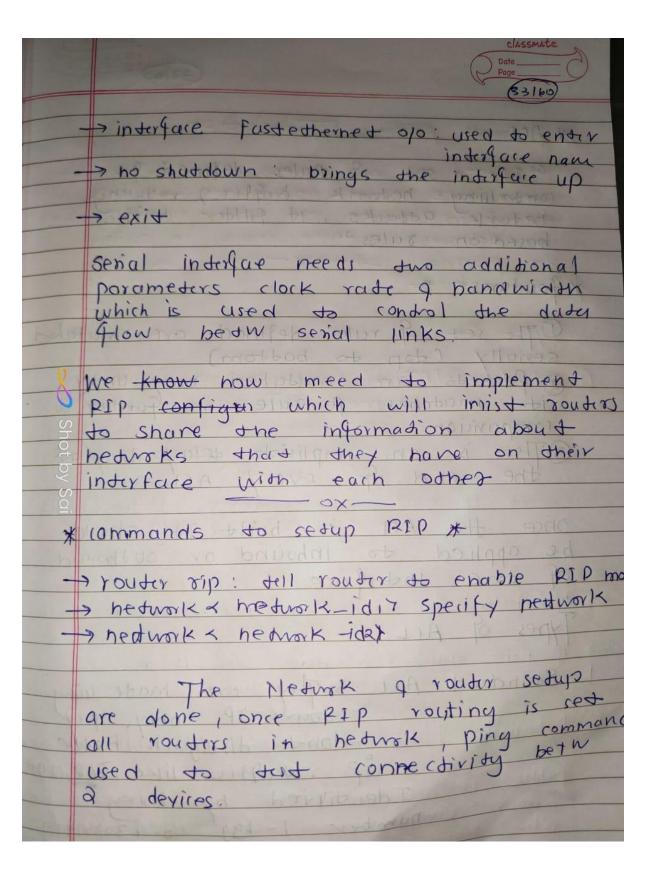
Name: Sainath Pichad

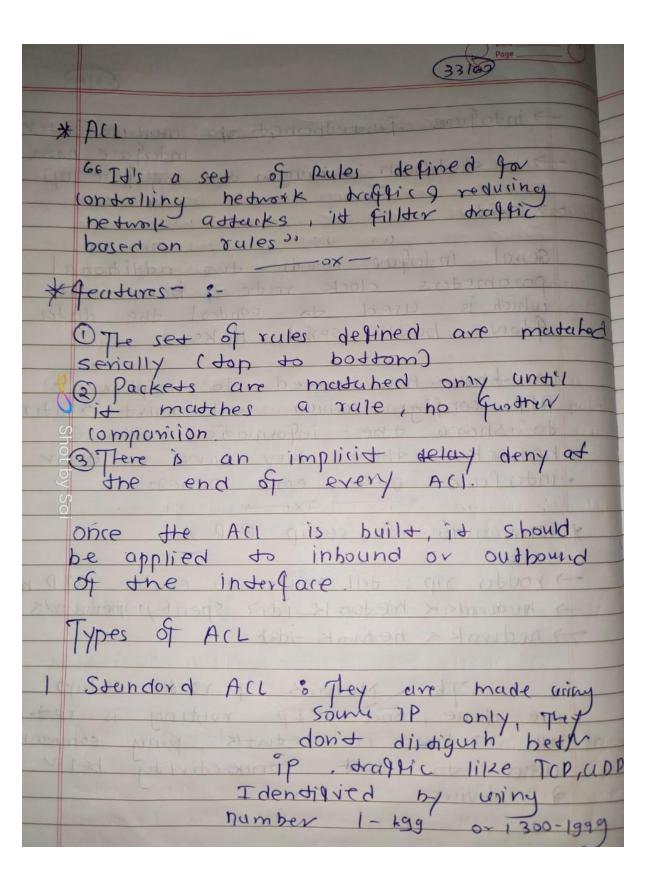
Roll no: 33160

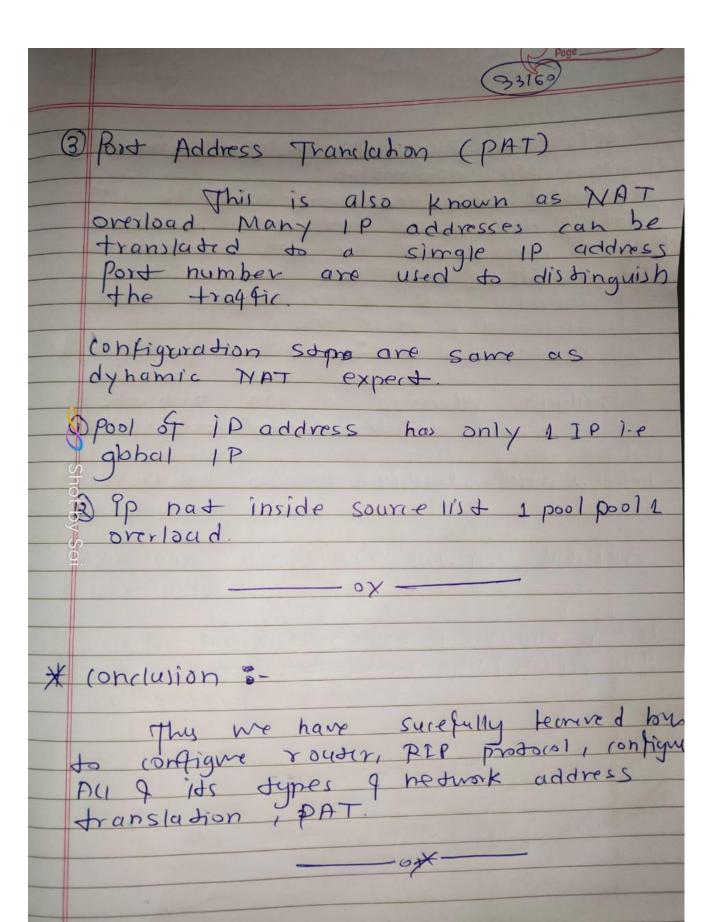
Batch: N9

Assignment 1



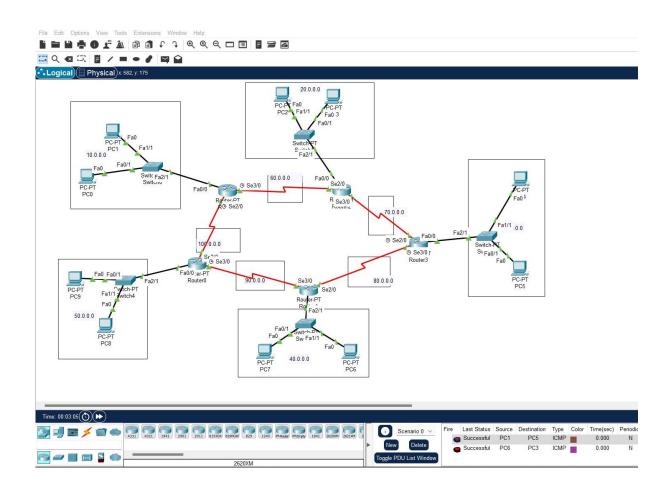




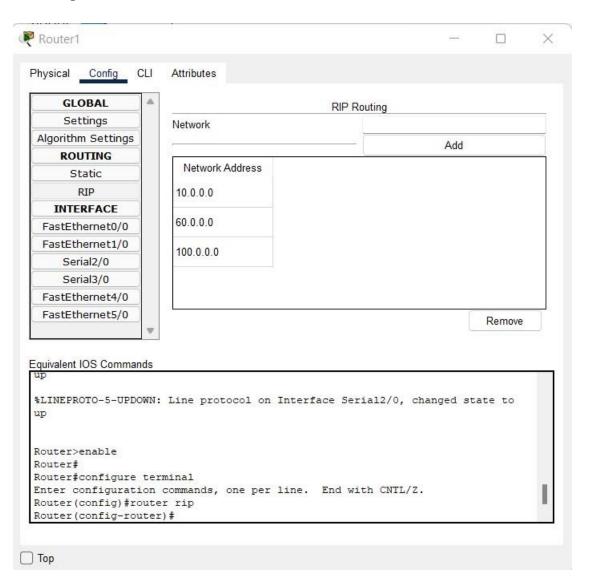


Implementation:

- A. Configure a router using router commands and Configure Routing Information Protocol(RIP).
- 1. Network topology

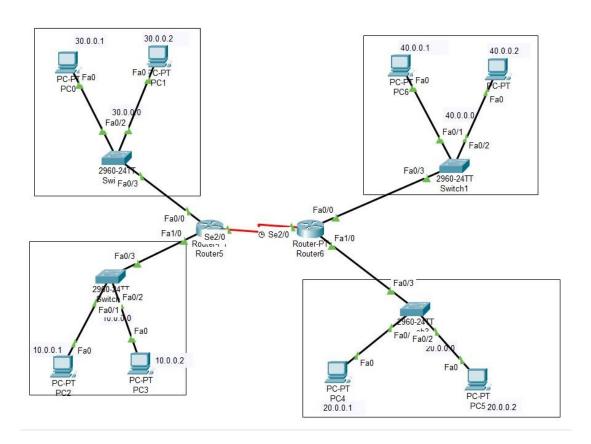


2. RIP configuration for Router 1

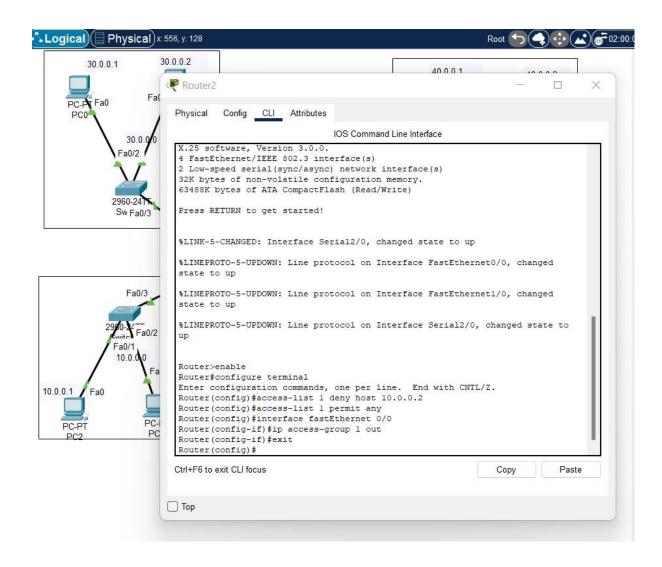


B. Configure Access Control lists – Standard & Extended.

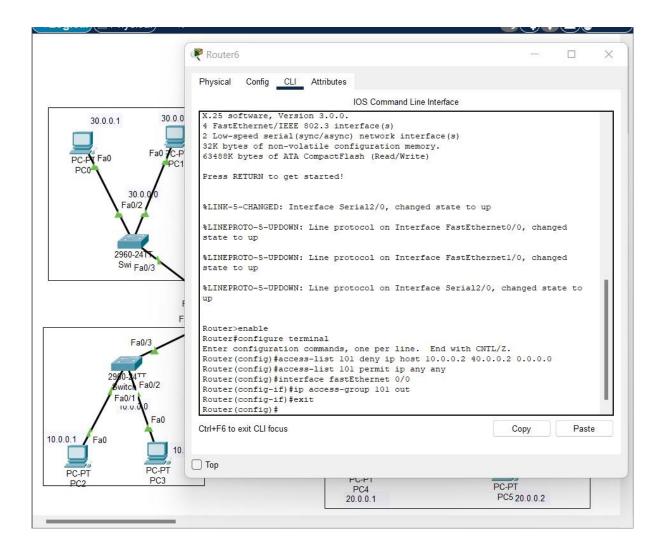
1. Network Topology



2. Standard ACL to deny access of host 10.0.0.2 to the network.

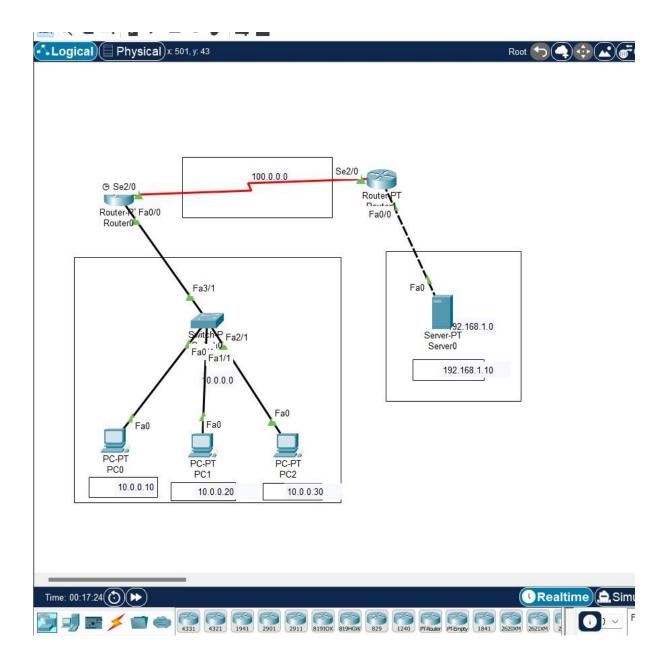


3. Extended ACL to deny access of ip host 10.0.0.2 to host with ip 40.0.0.2



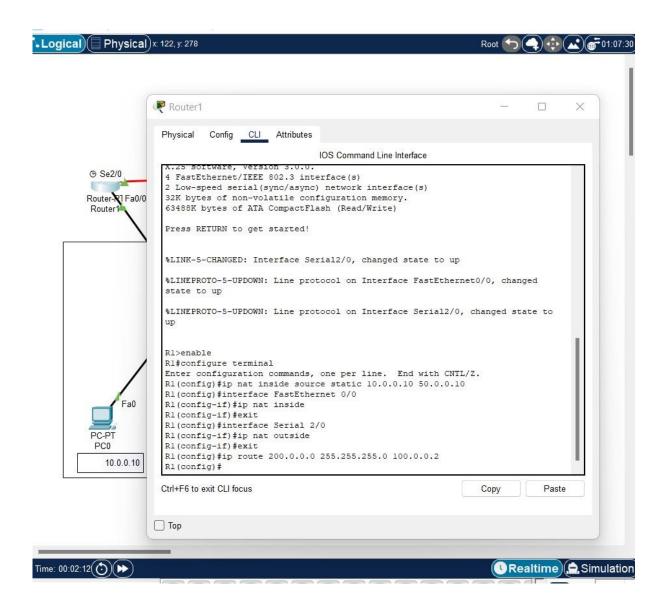
C. Network Address Translation: Static, Dynamic & PAT (Port Address Translation)

1. Network Topology

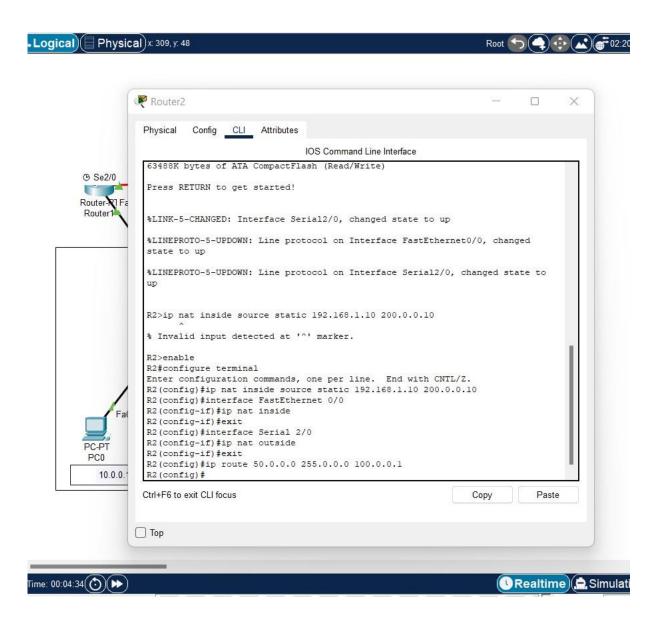


2. Static NAT

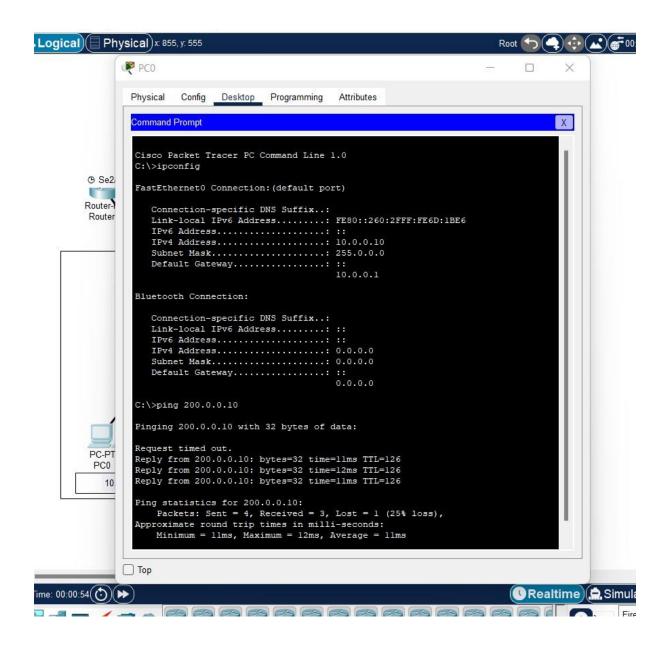
i. Router 1 configuration to map local ip 10.0.0.10 to 50.0.0.10



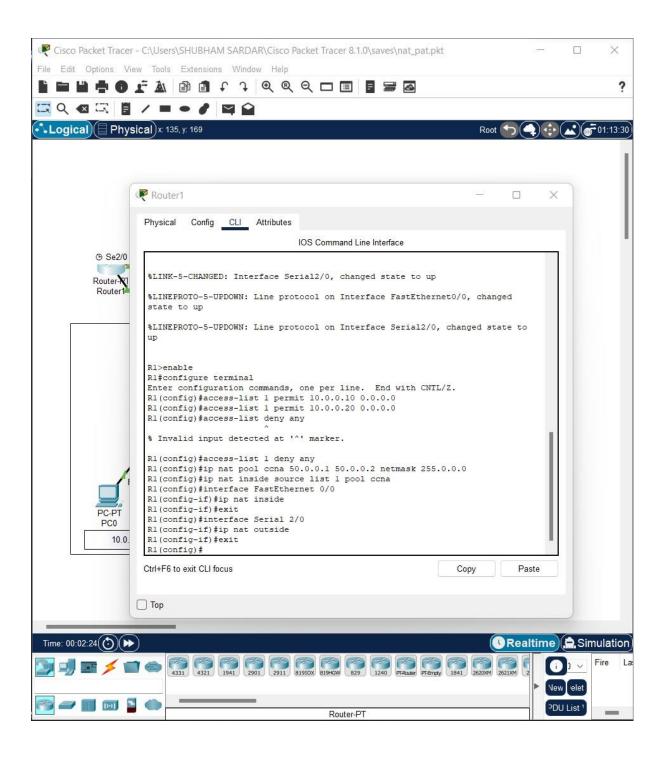
ii. Router 2 configuration to map ip 192.168.1.10 to 200.0.0.10



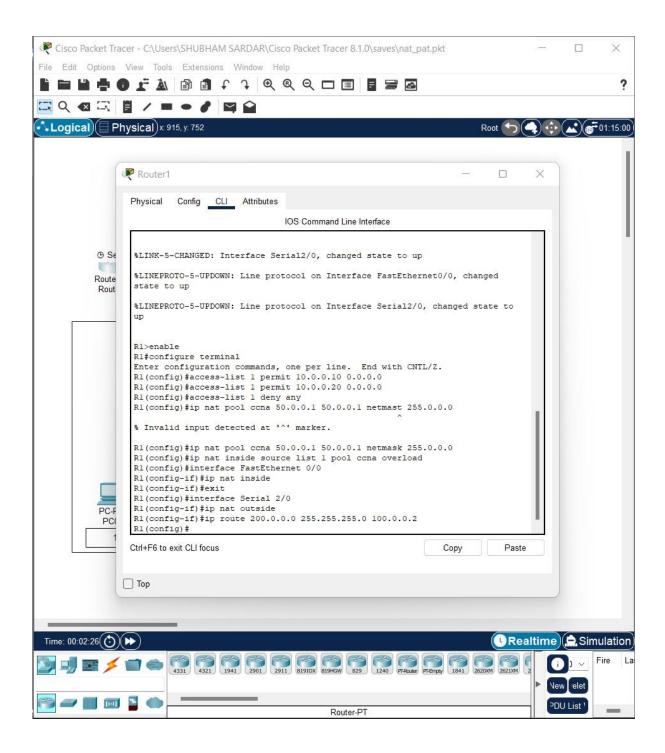
iii. Output upon ping to 200.0.0.10 from pc 10.0.0.10



3. Dynamic NAT configuration for router 1



4. PAT configuration for Router 1



Similar configuration to be done for router 2.