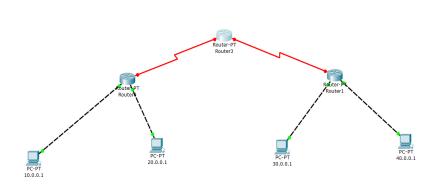
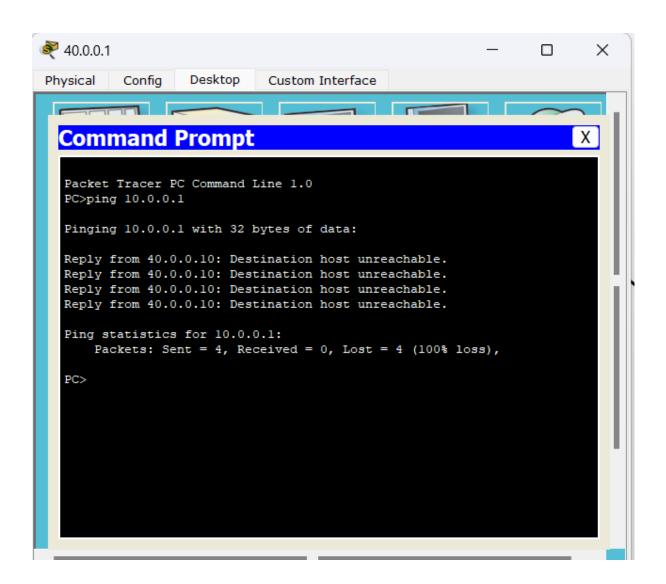
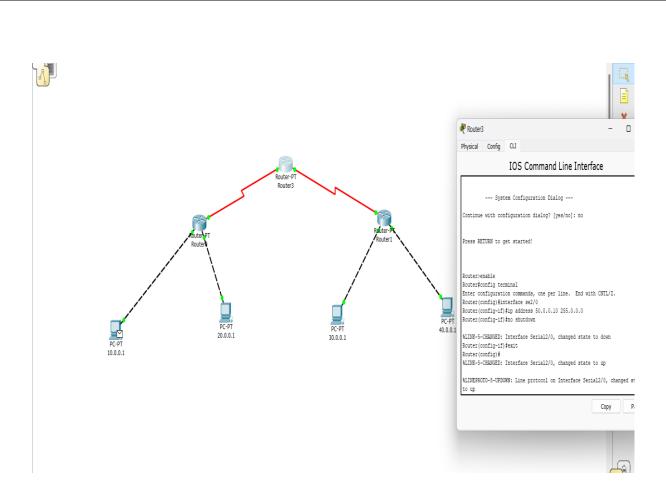
LAB PROGRAM-03

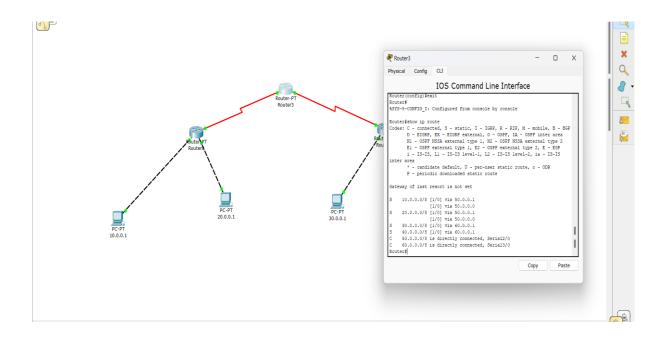
Configure default route, static route to router.

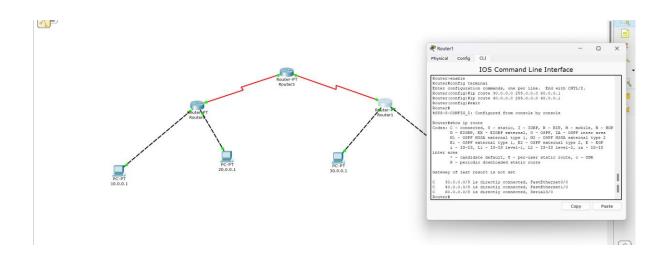


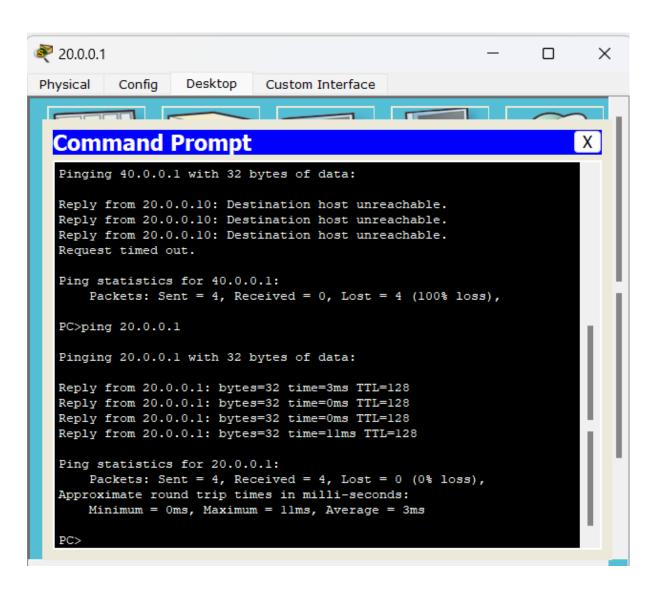
```
10.0.0.1
                                                                                                                                                     \times
        Physical
                              Config
                                                 Desktop
                                                                        Custom Interface
            Command Prompt
                                                                                                                                                               Х
              Pinging 20.0.0.1 with 32 bytes of data:
             Reply from 20.0.0.1: bytes=32 time=0ms TTL=127 Reply from 20.0.0.1: bytes=32 time=0ms TTL=127 Reply from 20.0.0.1: bytes=32 time=2ms TTL=127 Reply from 20.0.0.1: bytes=32 time=0ms TTL=127
             Ping statistics for 20.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 2ms, Average = 0ms
              PC>ping 40.0.0.1
.1
              Pinging 40.0.0.1 with 32 bytes of data:
             Reply from 10.0.0.10: Destination host unreachable. Reply from 10.0.0.10: Destination host unreachable. Reply from 10.0.0.10: Destination host unreachable. Reply from 10.0.0.10: Destination host unreachable.
              Ping statistics for 40.0.0.1:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```



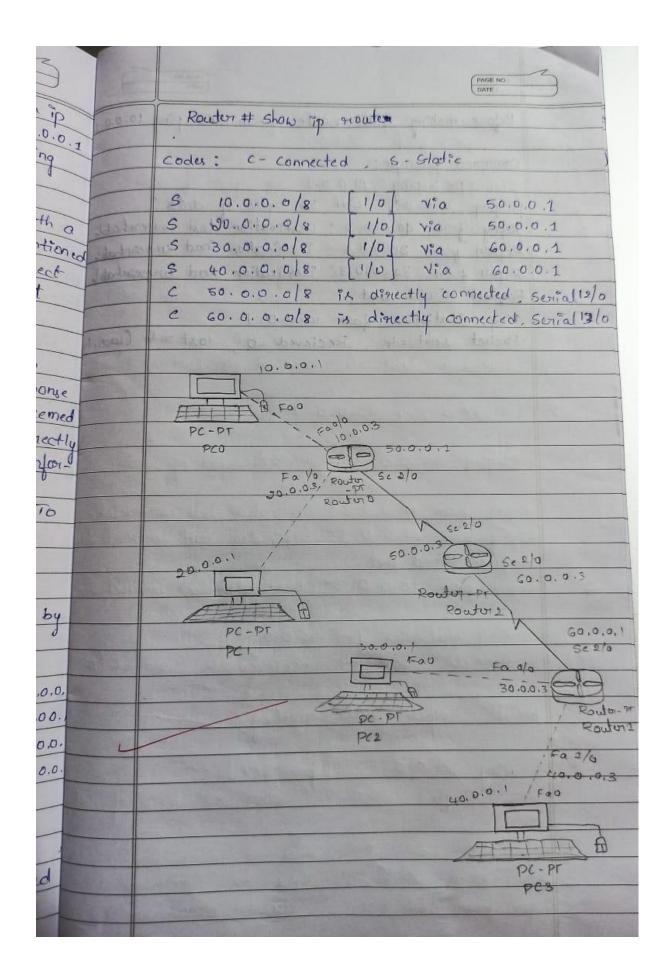








step 3: Send a simple pou from pro with ip address is Step 3: Send a simple with ip address son paddress 10.0.0.1 to pc1 with ip address son by and confirm how many packets sent by using ping command. step 4: Similarly, connect two more pe's with nouter and configure by following above mention, steps. Introduce one more nouter and connect It to the existing two mouters of different network and configure it. Step 5: Now, if you ping from the PC with ip address 10.0.0.1 ous > ping 40.0.0.1 the mespons will be dustination unneachable. Although, it seems there's a connection blw these two pc's indirect via nouters, but every nouter may not have into mation negarding every network present in the topology so these po's cannot communicate. To eliminate this, we should use static growing to teach every router manually. so.oo under of 41 Step 6: We can do static routing for noctur by the following steps Routor# config t Router (config) # ip noute 10.0.0.0 255.0.0.0 5000 Router (config)#ip Houte 20.0.0.0 255 0.0.0 5000 Router (config) #1p 40ute 30.0.0.0 965.0.0.0 60.00 Router (conf.)#ip noute 40.0.0.0 255.0.0.0 6000 Router (config) # exit Step 7: We can view all the networks Connected to a nouter as follows:



1	OATE OATE
	Command prompt.
2	Command prompt:- pc > ping 20.0.0.1
	pringing 20.0.0.1 with 32 bytes of data:
	Dalu brom 20.0.0.1: bytes = 32 time =
	Party 1200 20.0.0.1 : byte = 32 time =
	Protes = 32 + 100 mm The
	Reply from 20.0.0.1: bytes = 32 time = 0ms The Reply from 20.0.0.1: bytes = 32 time = 0ms The Reply from 20.0.0.1: bytes = 32 time = 0ms The Reply from 20.0.0.1: bytes = 32 time = 0ms The
	Prog statistics for 20.0.0.1 Packets: sent = 4. Received = 3. Lost = 1 (25/16)
	Packets: sent = 4. Received = 3. Lost = 1 C
	(35/1.10)
2.	PC > ping 40.0.0.1
F	singing 40.0.0.1 with 32 butes of data:
	of a data:
Re	ply brom 10.002 " D. 16 10 11
Des	ply from 10.0.0,3: Destination host unreachable
Rec	guest timed out.
Dani	The same of the sa
They're	by from 10.0.0.3. Destination host unreachable
P	Page 1 1-
D	119 statistics for 40.0.0.1
PO	ecketi: Sent = 4 Received 2
-	ing statistics for 40.0.0.1 eckets: Sent = 4. Recieved = 0, Lost = 4 (m/a)
Resul	t:- After Static nouting
	seem rowling
1. P	00 20 0 0
	Diom PC1
	Pinging 20.0, 0.1
	pinging 20.0.0.1 [prom PC]
Reply	4 20.0 0 1
Reply 1	500m 20.0.0.1 byter = 32 time = 0ms TIL=01
Reply 1	10m 20, 0.0 1 bytes = 39 time = 0ms 171= 101
1 1	10m 20, 0.0.1 byte = 39 time = 0ms 171= 171
- 1865	50, 0.0.1 byta = 32 time = oms TIL-11
100	

