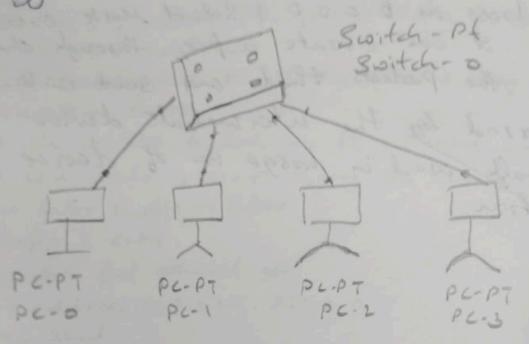
Jopology.



## Procedure

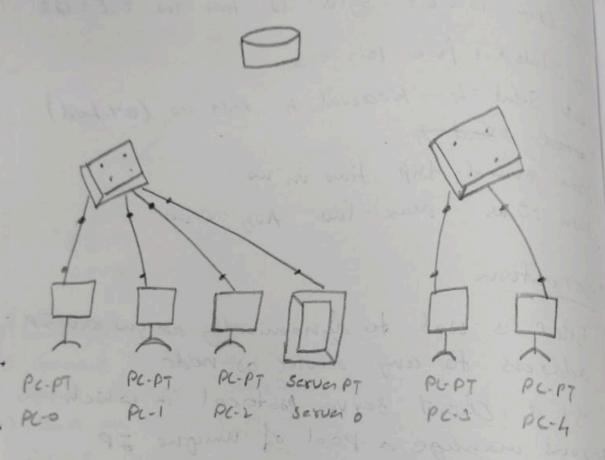
- onnect 3 PC's 4 1 sexual to a switch wing. Copper 8+ ray 4 through cable.
- Other a turn on DHICP Service.
- Bet the IP address of the Stast IP address us 10.0.02 & chick on gove bulton.
- a) Before this set the it address of server in address of server in address of server in
- A Next click on PCO 4 90 to desktop Fab. Click on IP config. Select DHCP here. It will rewrist b-8 an IP address 4 successfully get the DHCP request also sets the IP address
- 2) Pepart the Step for other 2 PC'S
- ( Come Point A type piny dest.

Ping output Pinying 10.8 0.0.3 with 32 bytes of data. Poply from 10.0.0.3. Lyte = 32. time = one 771 = 125 Reply 80m 10.0.0.3: Lylo 32 time :0 mg 772 3125 Reply 6 som 100003: Lytes = 32 time = (m) TTL = 128. Pry Statedies from 20.0.0.3. purlets Sent = 4 Received 4. Lest = 0 (0-1-Loss) packeds sent of Ppoox sound top time in we nun = Das Max = low Aug = Dup. observation DHEP is wed to dynamically assign an IP address to any device or node. 3+ is client server protocol in which serves manage a pool of unique JP address & also alove dient config parameters DHEP analyted clients sends a sopriet to Other server when they want to connect to a vetwork. good Jacourt I Praddock losses

nate way

4(0) Aim - Configure Drick with a LAN 4 outside LAN.

Jobology!



# Proceduse

Add a router, a switch 4 2 Pc's to h (A) program network 4 conned the router to Goth, switches

- \*) 8d the server set IP address of server & with the help of server set the first 3 PC's IP address through DHCP.
- 1) Click on server
- \*) go to desktop -> IP configuration
- 31 FP address 60.0.0.1 Bished Mash 255:0.0.0. gate way 60.0.0.20.

Stole-3 configure the souter. click on south of to CL 2. enable Router H config 1. Router (Config ) # fast ether net olo Router (config) # iP address 10-0-0-20 Routh (coafes it) H un Shut Router (Config if ) # Exit Router (Gonfig) # interface fast ethernet 1/0. Router (Config : 16) # iP adds ex 20.0.0. 10 250.0.00 Router (config- if) # Exit Routing table. Routa -> Show ip soute. 10.0.00 is directly convected. Step-4 - go to server Select services then go to DHCP Set service on Sex Start Ip address from the server. 8tep-5 Then config the Pe's - 3 dect apc then desktop - go to Ip config Select OHLP. - Repeat the same proceduse 600 all other PCB

Observation - DHCP is used to design IP address Lynamically to diff devices. to axign Continous IP address we create a server Pool where we assign the St. In addross & a default gateway number. 100 Pcs under diff 8witches we execute a litté Berver pool again 4 start. 1 (11 - E) OL sing father. Batura dissola - pla Joe Joe de la company de la co

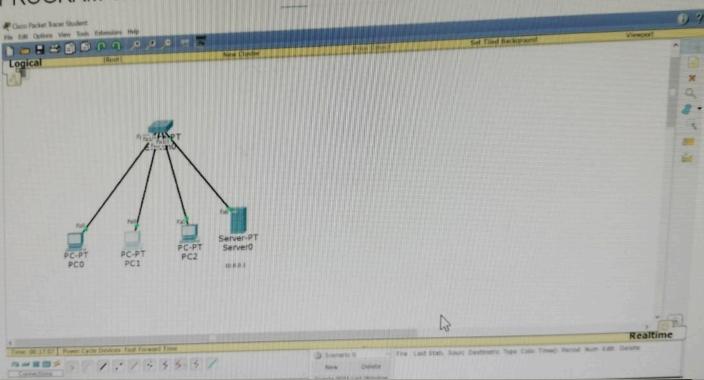
of wood of the control of the control

3234

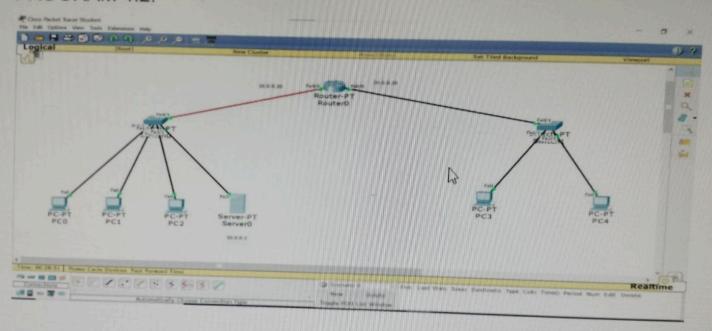
ATTERIOR BOND SOUTH

### TOPOLOGY:

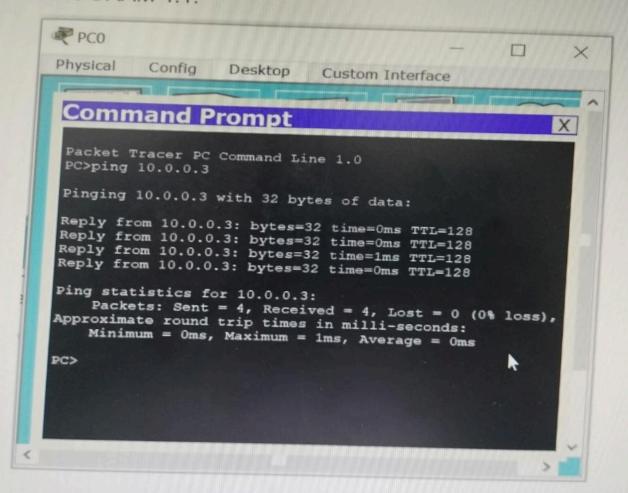
### PROGRAM 4.1:

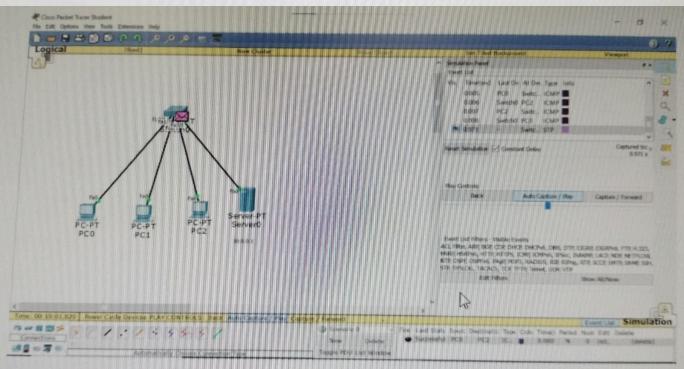


#### PROGRAM 4.2:



#### PROGRAM 4.1:





Config Physical

Desktop

Custom Interface

#### Command Prompt

```
Packet Tracer PC Command Line 1.0
PC>ping 20.0.0.2
 Pinging 20.0.0.2 with 32 bytes of data:
Request timed out.
Reply from 20.0.0.2: bytes=32 time=0ms TTL=127
Reply from 20.0.0.2: bytes=32 time=0ms TTL=127
Reply from 20.0.0.2: bytes=32 time=0ms TTL=127
Ping statistics for 20.0.0.2:

Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),

Approximate round trip times in milli-seconds:

Minimum = Oms, Maximum = Oms, Average = Oms
PC>ping 20.0.0.3
Pinging 20.0.0.3 with 32 bytes of data:
Request timed out.

Reply from 20.0.0.3: bytes=32 time=0ms TTL=127

Reply from 20.0.0.3: bytes=32 time=0ms TTL=127

Reply from 20.0.0.3: bytes=32 time=0ms TTL=127
Ping statistics for 20.0.0.3:

Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms
 PC>
```

