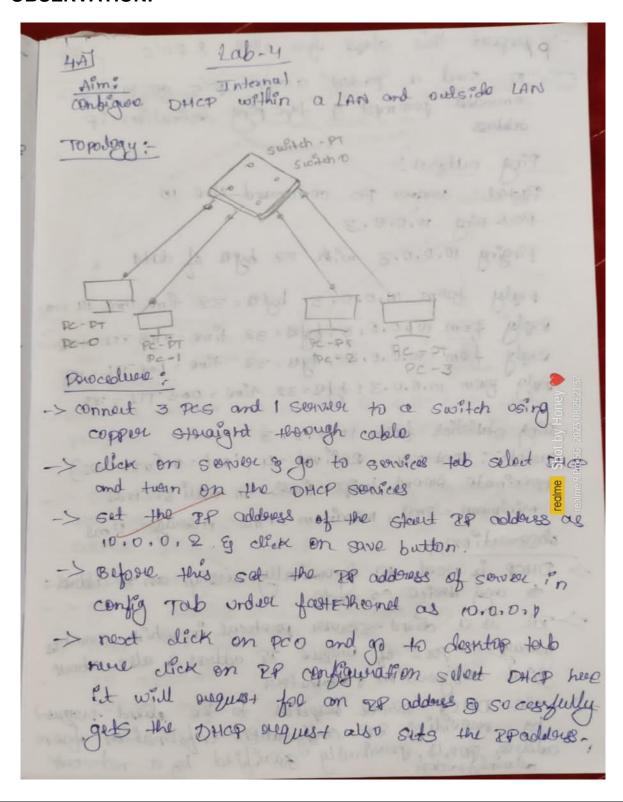
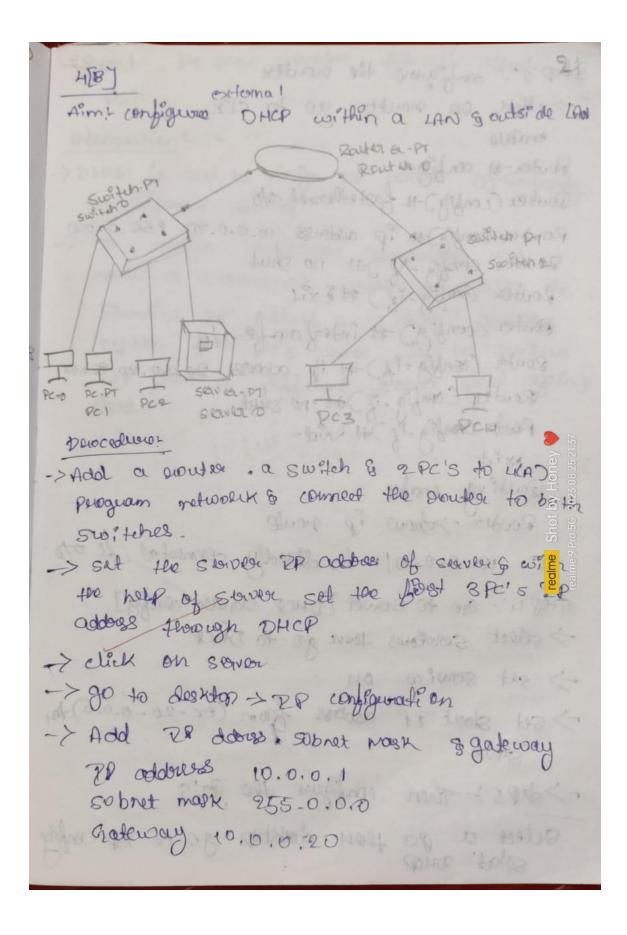
LAB 4

Configure DHCP within a LAN and outside LAN.

OBSERVATION:



-> Repeat this steps for other 2 PC's > to sord a packet across po's go to po's command prompt & type ping destination ip applage Ping output: Packet toward po command line 10 DOT BUND 10:0:0:3 Pinging 10.0.0.3 with 32 bytes of data Reply from 10,0,0,3 bytes = 32 fine = 0mg TZ = 18 Rophy from 10:0.0:3; botts = 32 fine = 0 ms 711 = 128 Reply from 10.0.0.3°, byes = 32 time = 1 ms TIL = 122 Rolly from 10.0.0.3: bytes=32 time = 0 ms TTL = 128 Ping statistics from 10:0:0:3 produte: sent = 4, Relived = 4, lost = 0 (09: loss) approximate sound toup times in milli seconds minimum = 0 ms, maximum = 1 ms, Average - 0 ms obsorvation: -> DHCP is used to dynamically assign an of addres. to any device of rade > 2st is a dient-source protocol in which source manage a pool of unique EP address & also about dient Migwation Promphetous -> the OHCP somed suspends to the elient suggest address pools, Pouriously spenified by a netwood



Step 3: - configure the sibutes -> click on snowler go to CIR enable Rouder # config + Doub on Config) + fost ethernel sto Route Confly Jat ip addows 10.0.0.20 255.0.00 Router confro - of Jest no shut Routes Config - Pf) # 8 xit Router (confeg) # introface to Route (config-Ph) +1 ip address 20.0.0.20 26.0.00 Router Config. &)# no shut. Rowfor Cronfig - of JH exist. wit Routing enable leanings of Hillowier come Rouder - Thow ip soule C: 10.0.0,011 is aboutly connected for one step 4: GO to Server LOHOP SORVER CONFET -> sellet sonvenus then go to DAICP -> set source on > set staat &P aubless from (ex-20-0.0.0) 4 Sanc -> steps: - Then configure the pais. Select a go flow docktop - go to 80 config

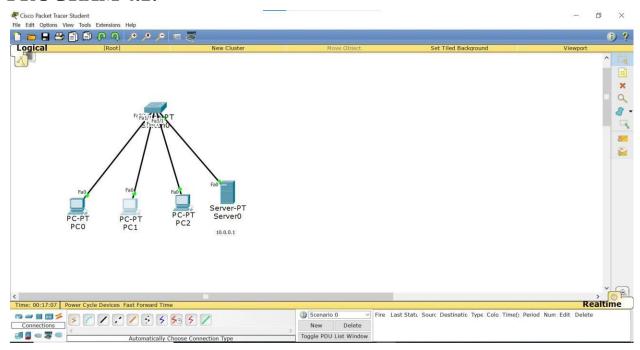
-> Ropeat the same procedure for all other 23 PC'S orbiomation! -> DHCP is used to design EP address Oframically to different devices -> 70 assign continuous For adobes we ouate a servergood where we assign the Stanting RP adobres & a default gartenay rember for pas vider déférent sustèmes we come a different some pool agains Saort . I Brought & sought as when it would a att 2 9 9 4 0 - 5.0.00 so shot bette 9.0.3.01 Warring 2 1.0.0.01 37 - Brian 34. a was the state of the section of the " all het net 'me' in with even & will

could be a lost of the could be a sign of

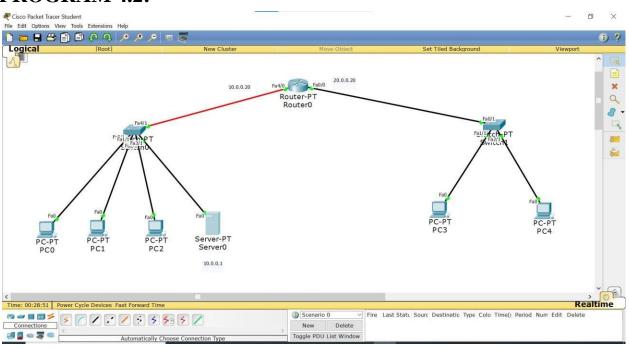
5 TT T. TAK MANY SENTON 3 .0.0.00

TOPOLOGY:

PROGRAM 4.1:



PROGRAM 4.2:



OUTPUT:

PROGRAM 4.1:

```
PC0
                                                            X
                       Desktop
Physical
            Config
                                   Custom Interface
  Command Prompt
                                                                   X
   Packet Tracer PC Command Line 1.0
  PC>ping 10.0.0.3
  Pinging 10.0.0.3 with 32 bytes of data:
  Reply from 10.0.0.3: bytes=32 time=0ms TTL=128 Reply from 10.0.0.3: bytes=32 time=0ms TTL=128
  Reply from 10.0.0.3: bytes=32 time=1ms TTL=128
  Reply from 10.0.0.3: bytes=32 time=0ms TTL=128
  Ping statistics for 10.0.0.3:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds:
       Minimum = 0ms, Maximum = 1ms, Average = 0ms
   PC>
                                                                    >
<
```

PROGRAM 4.2:

