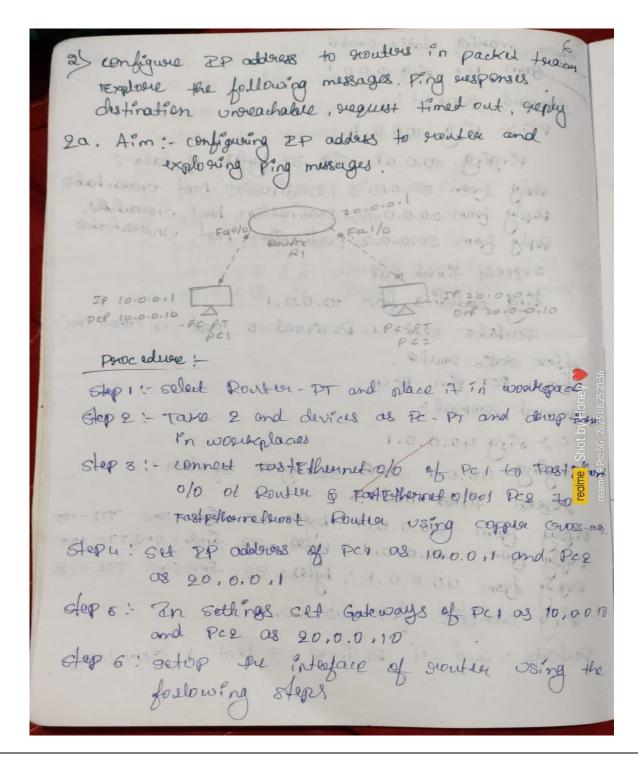
LAB 2

Configure IP address to routers (one and three) in packet tracer. Explore thefollowing messages: ping responses, destination unreachable, request timed out, reply.

OBSERVATION:



TO configure sientes command line interface (CLI) is used. Router O CLB. (PAUSS N) Router > enable Router # config + Router (config-Pf) # interface fost rethernt oto Router Config-Pf) # ip address 10,0,010 255,0,070 souter (config -if) ++ no shud tixs Router (config) # interface fast thenel 1/0 20 wher (world - 1/2) = ip oddows 20,0,0,10 255.00,0 Router Config. 96) + no shut 4 Page Rowler Cooping) # exit Router # show ip noute C 10.0.0.0/8 is directly connected Foot themes of C 20,0,0,0/8 is discelly connected, FostEthot 1/0 sep 4: observation gover lights appear on wises when no shut commands are written which indicate that they are gready for date prenimission.

26. Aim: configure using 3 grouters and 2 pcs? Topology: 0.0,00 specke of A C. Sicolo Colo ture on it () i signite procedure Step 1: The network is spouled by selecting and devices PCO8PCI i.e. generic PCs and placing stren In work space. step 2: select 3 Rower - Pr & place them as Grando Router 1 and Router 2 in workgrand Sep 8 !- PCO & BCI ase compelled to gouter o g Router 2 suspectively using coppies opers one, Step Li: connect Rowler O to Rowler 1, Rowler 1 to Router 2 Using Step 5: Set up IP addows of PCO to 10,0,0,1 PCI to and pel as 40.0,0.10 of peo is 10,0,0.00

```
configure the souther by opening c12 . 10
  En Rowler O
 Router > enable
  Router It config t
 Router (config ) It interface fast Ethonet olo
 Router (config of) # ip address 10.0.0.10 265.0.00
 Route (working if ) +A no shut
  exit
 Router Cronfig # interface sevial elo
 Router Cunffg. -: 1) 12 ip addres 20,0,0,10 255,0,00
 Route (config-if) # no shut
   exit
En Roubier 1
 Router > anable.
 Router et config +
 Rout or (config) A interface social 2/0 .
 Router (config - if) # ip addocs 20,0,0,20 255.0.00
 Router Config if In no shut
                     0 000 1008 001 - 800
Router (config ) Hinterface sevial 3 to
Router (config. 1/2) # & address 30.0.0.20 255.0.0;0
 Router (config-ig) # no shul
1 Cxit
              859 de 2000 or 90 102 6 2 90
Rowler (config ) Hexit
```

In Poulle 2 Routes & enable Router + config t Router (config) at interface secret 2/0 Router (vonfig -91) # "p address 30.0.0, 20 255,0.00 Routea Coopin of) H no shut exist Router (confid) th inferface forthernolo Router (config - if) # ip address. 40,0,0,10 2530,000 Router (config -1°+) # no short 0 tankets set to pectode to local exist Router (config) exist · en alternage 29 Route toble: ey + 155218 Router o: Router of show ip soute c 20.0.0.018 is diverly cornected; Fate though of the c 20.0.0.018 is dissolly connected social 2/20 Router 1. Router # show EP gooute C 20.0.0:018 is divertly connected, secural 2 to c 30.0.0.018 is directly connected, second sto Poullor # Show 3P Sioule C 30,0,0,018 is devely connected seviral 2to c. 40.0.0.018 is directly remeted sestathent of

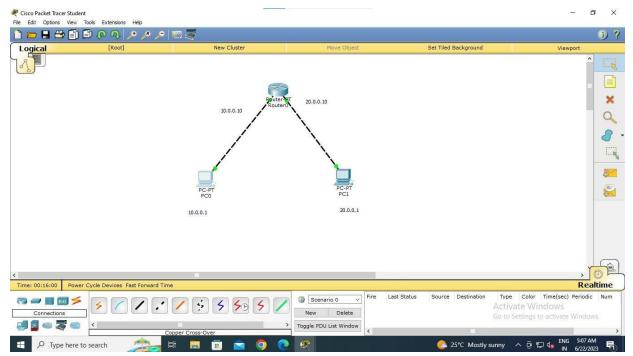
```
Router 22
    ip growte 10,0,0,0 255,0,00 30,0,0,60
    ip siente 20,0.0,0 255.0,0,0. 30,0.0,10
    rew 20 south Jake was .....
    exit - and some one wind it out on any place
bo
    20 wer 0
66
    C 10.0.0,018 is directly converted Fast thouse 0/0
64
    c 20:0:0.0/8 is affectly connected, social 2 to
    5 30,0,0,0/8 TILOJ Via 20,0,0.20
   5 40.0.0.01018 [1/09 Via 20 10.0, 20
1 130
    Rowten 1
                                  * continuo ala
    5 10:0:0:018 [1/0] via 20:0:0:10
    c 20.0.0.018 is observed connected social 2/3 =
    a 30.0.0.0/8 is directly connected solved 300 3
    6 40:0.0.0 & [1/0] Na 30.0:0.20
   5 1010,0,0/8 [1/0] Nia 30.0,0,10
   S 2010:0.018 [1/0] Via 30,0,0,10
   C 30,0,0,0,8 & Boeckly connected, studied sto
   C 40,0,0,0/8 is directly connected, rost effect of
    Piny messages
    Pc > Pring 40,0,0,1
```

Pinging unioiois with 32 bytes of data 14 Pequest timed out: Reply from 40:0:0:1: bytes = 32 - Fine = 2mg TIL = 120 Pealy 130m 40,0.0.1, bytes = 32 fine = 2ms The 18 Roply 50 m u0.0.0.1; bytes = 32 fine = 2ms TIL 185 P. of shieties foot 40,0,0.1 Backets sent-4. Precised =3 lost=1 (257, 1055) Approximate swood tout find in melli-seconds puninam = ens, maximum = ens, Average = ens observation? En Berst Ping destination host was crowachable as pouter o new no unovolegly about the retwook 30.0.0.0 and 40.0.000 & the 5 Packals got stuck 06 lost After this ip south is southerdly

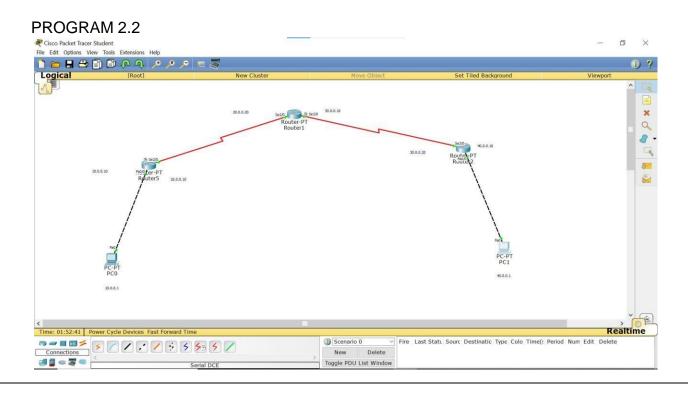
Now on Prograf theory and is 25% loss in forst time, the followed one's has no loss

Output:

TOPOLOGY:

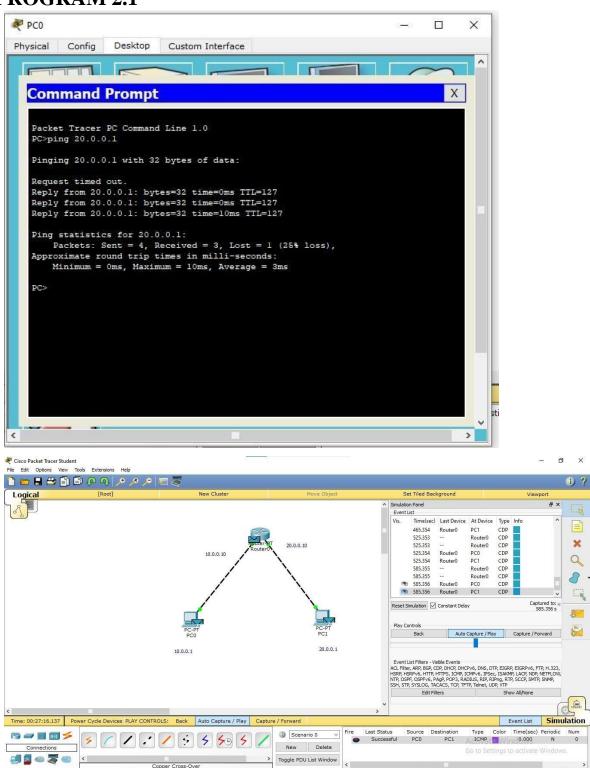


PROGRAM 2.1



PROGRAM 2.1

Type here to search



PROGRAM 2.2

