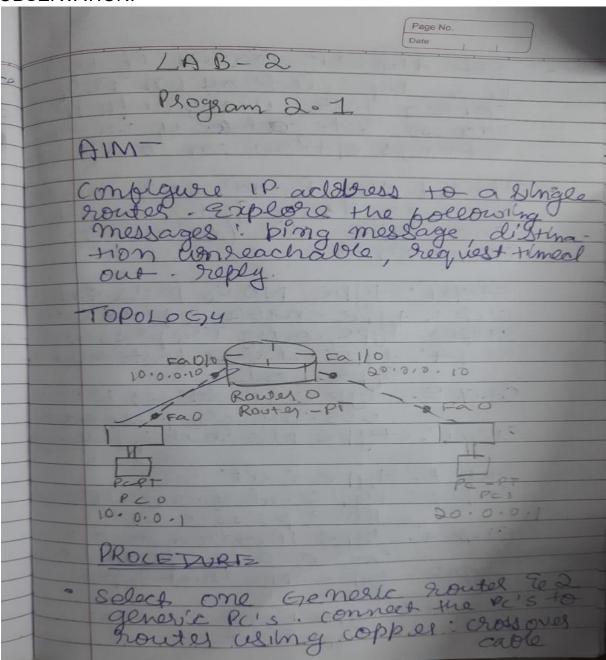
LAB-2

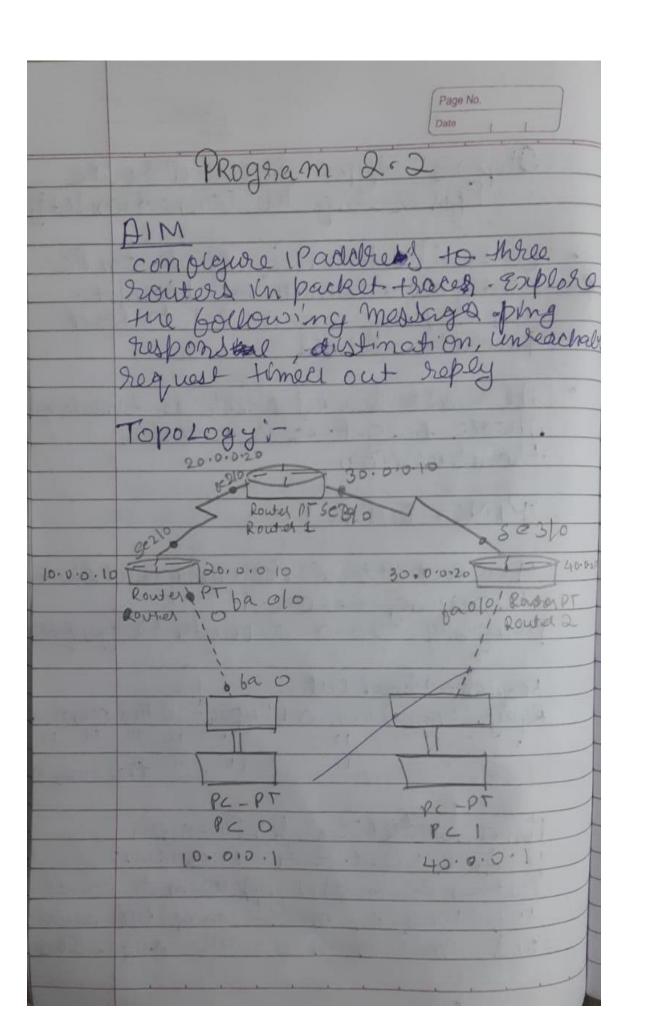
Configure IP address to routers (one and three) in packet tracer. Explore the following messages: ping responses, destination unreachable, request timed out, reply.

OBSERVATION:



Page No. Set the iP adolrss of both
PC'S by clicking on PC 90
combig tale Blang with IP
address Set gasterway in the
Softings option on bonding tale click on its Se go to Cu tab
and type the following commands Step 1: type NO Go press Enter Step 2: type enable go press enter Step 3: type combig The press enter Step 4: type interpose pasteturnet go Gepress enter Step 5: type I paddress 10.0.0.010 255-0.0.0 Ge press enter Step 6'. + ype No Shut q press got Step 7: type Exit'
Step 8: type interface gast fluid
100 90 p Kosa entes
Step 9: type i Paddross 20.0-0.10 Step10: type No Shut Gypress Enter groter. Step 12: type Fruit

Step 13: type show is route Epos soing the connectionstates close the tab I Se click on Pc to go to command prompt. Type ping 20.0.0.1 to send packets across At last send packets in smulstron mode to get a successful transmussion TING DUTPOT Packet train &c command linero pinging 20.0.0.1 pinging 20.0.0.1 with 32 types John Reguest timed out Reply from 20.0.1! bytes = 32 the=0ms 1764 11 " thre=10mg h ling Statistics for 20-0.0.1
packets '-sent = 4 Received = 3 trip times in miliseconds. Minimum oms, marimum = 10 ms, Avg = 3ms



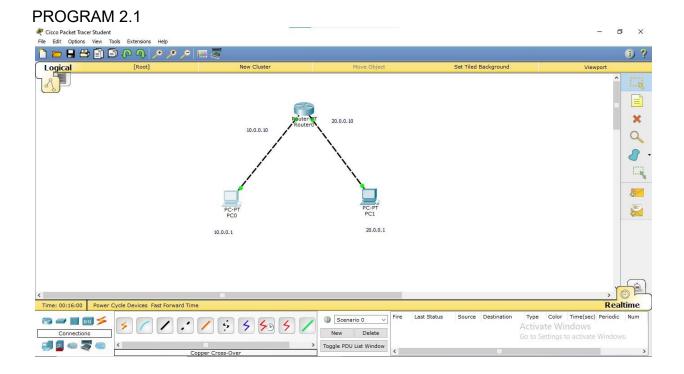
Page No. Date Procedure connect 2PC's 90 3 houters wing copper cross over cable for PC +8 router and serial DCE cable to connect the nowters to nowers Set the iPadolaly of both Pisse gateway numbers guteway numbers. to nowers
Select one rowers and porton the following commances. Step 11: type anable Ephess Enter Step 3: type emoly The presenter Step 4: type condig The presenter Step 4: type Interpace fast Etherner of ohe press Enter Step 5: type ipaddress 10.0.0.10 255.0.0.0 g press Enter Step 6'. type NO. Shut Epresisher Step 7. type Exilt Steps: type interpare se 2/0% Bress enter. Steppa . type IP address 20,0.0.10 Stepio: type No Smit Epress Enter Stepli: type Exit

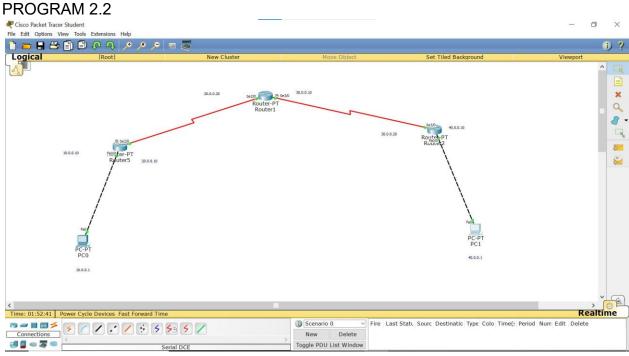
Page No. Repeat these commands for the other two routers with respect 1P/ gateway addresses Now to hosodure the other two type the following commands. Stepl: type conforg T & press enter Step2: type IPSoute 30.0.0 2550 20.0.0.20 Step 3: fype i proute 40-0.0.0
255.0.0.0 20-0.0.20 Step4: EXU Step 61. type Show it route Repeat these steps for the other addresses Goto Command phomps by clucking on PC. To Consig tab type ping message to send packets to the destination address.

Page No. Date NG OUT POT output 1: packet + Gacer PC command line 1.0 pringing 40-0.0.1 with 32 bytes of Reply from 10000 10 Destination host unrachable 11 11 11 11 11 11 Request timedout plang Statustics Box 40.0.0.1 packets 'sent = 4, Received=0, los-=4 (10090 loss) output 2 Packet traces PC Command Line 1-0 PC> ping 10:0-0.1. Anging 10.0.0.1 with 32 bytes dodor Reply forom 10.0.0.1. bytes = 32 time = 2ms TTL=125 11 11 11 the=2mg 11 11 11 11 11 + the = 2 mg 4 Pring Statistics por 10.0.0.1
packets 'Set >4, Re and =4 lost 0 Approaimate sound trup times in mill's Seconds: Milmimum - 2m & Maximum = 8 ms Avg = 3mg

Page No. OBSER VATION 2.1 when we pring destination address we ge allocated with 32 bytes. In past 8 bytes are cested to learn about the houter and their addresses. Rest bytes are used for sending packets to destination address then again if we pland all outes are used por message sonding and there will be no three out message. In Bogsam 2.2 when the hower doesn't know about the hemaining address and we play a message we get host lurreachable message once the rowers, have access! Knowledge about other addresses messages will be sent succession

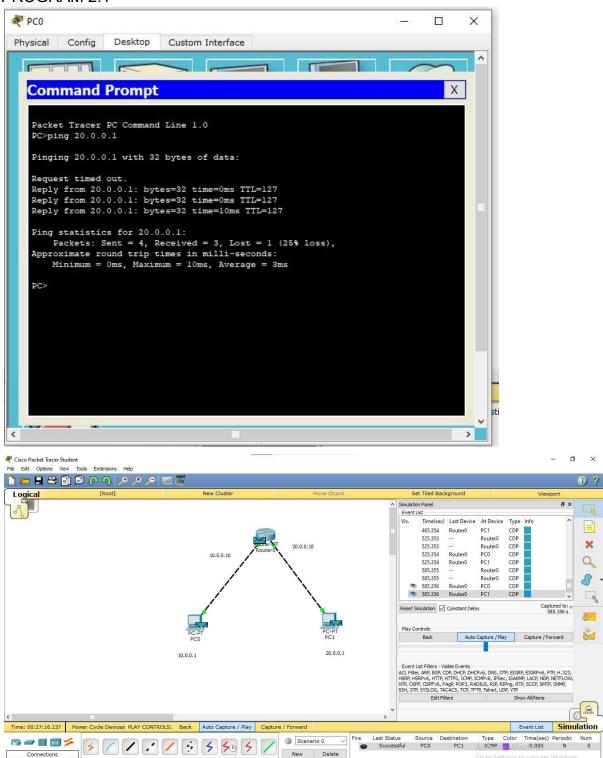
TOPOLOGY:





OUTPUT:

PROGRAM 2.1



Toggle PDU List Window

PROGRAM 2.2

