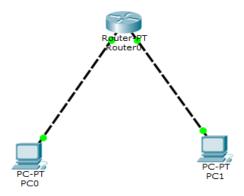
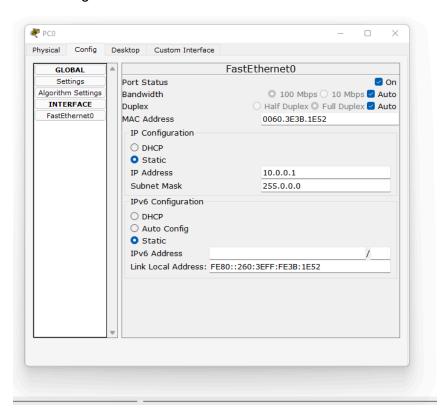
LAB 2

Experiment 2

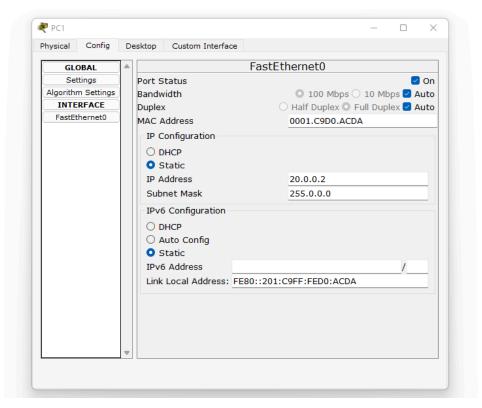
AIM: To demonstrate configuration of ip address to the routers and explore ping command Topology:



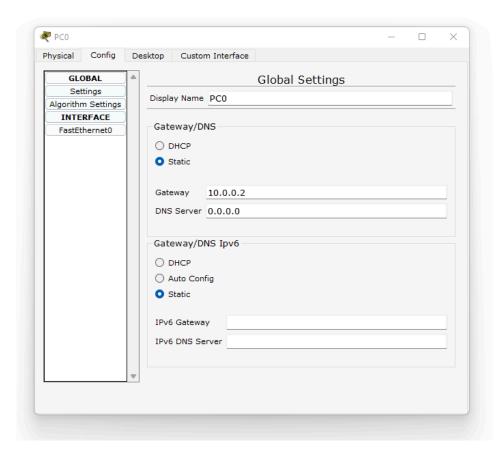
PC 0 IP addres configuration:



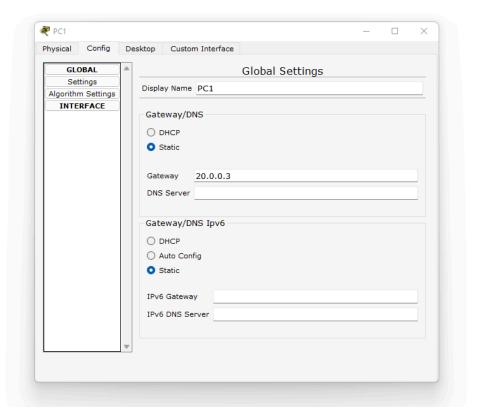
PC 1 IP address configuration:



PC 0 gateway configuration:



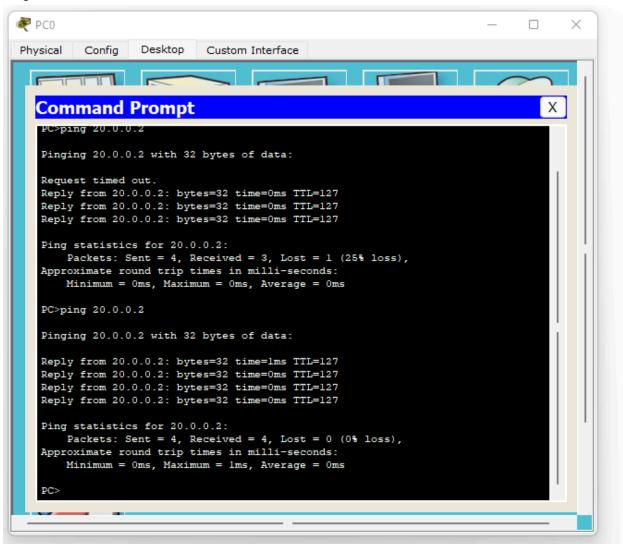
PC 1 gateway configuration



Router cli:

```
oftware clause at DFARS sec. 252.227
                   cisco Systems, Inc.
170 West Tasman Drive
San Jose, California 95134-1706
Cisco Internetwork Operating System Software
IOS (tm) PT1000 Software (PT1000-T-M), Version 12.2(28), RELEASE SOFTWARE (fcb)
Technical Support: http://www.cisco.com/technsupport
Copyright (c) 1896-2005 by cisco Systems, Inc.
Compiled Med 27-Apr-04 15:01 by mixing
 PT 1001 (PTSC2005) processor (revision 0x200) with 60416K/5120K bytes of memory
 Processor board ID PT0123 (0123)
Processor board ID PT0123 (0123)
PT2005 processor: part number 0, mask 01
Bridging software.
X.25 software, Version 3.0.0.
4 FastEthernet/IEEE 802.3 interface(s)
2 Low-speed serial(symc/async) network interface(s)
32K bytes of non-volatile configuration memory.
63488K bytes of ATA CompactFlash (Read/Write)
                --- System Configuration Dialog ---
  Continue with configuration dialog? [yes/no]: n
Press RETURN to get started!
Router>enable
Routerseconfig t
Enter configuration commands, one per line. End with CNTL/2.
Router(config)#interface fastethernet0/0
Router(config-if)#inp address 10.0.0.2 255.0.0.0
Router(config-if)#inp shutdown
 Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
  %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
  Router(config-if) #exit
Router(config) #interface fastethernrt1/0
 % Invalid input detected at '^' marker.
 Router(config) #interface fastethernet1/0
 Router(config-if)#ip address 20.0.0.3 255.0.0.0 Router(config-if)#no shutdown
 Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up
  %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up
```

Ping command:



To demonstrate configuration of EP address classmate routers and explore ping command Date Page 8/10/24. LAB-2 2 Experiment 2 smarch set 19 (11) Pouter config compade de sop notioned

de sop notioned alt was (10)

Pouter > enable of 0.19 mont une has of Poutes # configured homes of ap 3591 Pouter (config)# interface (name) fastethernet 0/0 or of 1/0 Router (config - if) # ip addres (same network (same network) Pouter Cearing - i) # exit. 10 such of met LOTTAV932AO TOPOLOGY! PC>pig 20.0.02 Poutero tua vaid temas 200: mid de - entred: 5.01.0.05 mont Pepul form 20.0.0. pydu: = 32/ how coms LEO FOO FOO CONFIGURATION: co oce prid < 29
ii) select two generic Pc end durius and a couter generic mouter print choose a connection type of cooperation type of in and (ii) wonting ope or without Pp juadd ress 10.0.0-1 and PC2 with 2P address to 20.0.0.2 diff since they belong to different networks.

(iv) select the mouter and under CII configer the routive for the two different networks using the above commands was same minimum soms, maximumotors, Average o

41 19 nod prupidnos d'artera de las smate min Les manos prio provides bus page

(4) If the commands work the connection goes up abaginess palaces solves ? (vi) once the connection goes up ho send PDU from PLO to P610 select Pro go to command promp and under distrop and carry out the following comands ping 20.0.0 (PP address of distingtion PC) (vii) & carry out the commend hora to have or loss, the private of OBSERVATION! pc>ping 20.0.0.2 Dirging 20.0.0.2 with 32 bots of duta liquist time out leply from 20.0.0.2: bytes = 32 him = ons 77 L=124 Reply from 20.0.0.2: bytes = 32 time = 0ms TTL=127 leply from 20-0.0.2: bytes = 32 time: 0ms TTL=127 Ping statistics for 20.0.0.2! Parlotts: gent = 4, Purived = 3, lost = 1 (284. loss) pc> ping 20.0.0.2 : horrasudialia) (1) select two general PC of pinging 20.0.0.0 with 32 byth of deta peply from 20.0-0:2; bytes: 32 time: sms TTL=124 Reply from 20-0-0-2: bytes: 32 hme coms TTL=127 Reply from 20.002: bytes:30 time: 0 ms 771=124 Peply from 20:00 2 ! by the ! 32 hrm. ! Oms TT 1 = 121 dily since they belong to different netw bing statistics for 200002: Paikets: sent = 4, Received = 4 lost= 0 (04 loss) Approximate round his kines in milliserods: minimum zoms, maximum=1ms, Average = oms.