LABORATORY PROGRAM – 2

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

	Date 9,10,24
Routers	America V
The I have	
Pre explaination	La cold deservation of the
- Generic Router: 2TP's	and the state of t
- Place PC18 - Different 1P18	networkide
- Manual Route Config	of met Asia (G).
Maria la	Consider the St. O - 12 - 1
Commands	marinaly could be the live of the
Snable	
# config terminal	Les appleme?
interface fast ethernet 0/0	: 10
ip address 10.0.0.1 25	5.0.0.0
no shutdown	
exit	
Aim: - To Configure IP add	reas to routers in
market tracer Toda	emonstrate and
1 01 05 1/2 1/24	and of south ord in
Connecting devices	of two different networks
	A CHARLES TO THE STATE OF THE S
Protecure:-	
TALL DISS and ame de	neric router contigue
mention/define gateway	10.0.0.1 and 20.0.0.
mention/define gateway	ne vouter via copper
Connect Turkey	
click on Router - CLI	- Manual Configuration
Commandey-	The second second
Router Senable	
Router Denable Router # Config term Router (config) # int Router (config-if)# ip	rinal and old
Donter Contra) + int	erface fastethemet
O last configurate Hilb	address 10.0.0.01
	- () ()

Router(config-if) # noshutdown Router(config-if) #exit Router(config-if) #exit	-
Router(contig - it) # exit	Pin
Repeat for other PC: fastethernet 1/0 Repeat for other PC: fastethernet 1/0	
Repeat for other to figuration, the connection	-
	1
(a) click on PC 10.0.0.10 - Pesktop - Canadprompt	
Send data packet to	- (
other device from the other networks.	
Topology=	
10.0.0.1 20.0.0.1	
fa0/pr Routes fa1/0	
/ Fa0 \ fa0	
b land and a second and a second a seco	
PC-PT PC-PT	
10.0.0.10	
Def gateway 10.0.0.1 Kefgateway 20.0.0.1	
Observations;	
Data packet was Sent from 10.0,0,10 to router	<u> </u>
The souter Sent the packet to PC 20,0,0,10	
. 3 Data packet bash to router -> back to PC	1332
10.0.0.10 and a tick mark is blinked	
richerate of houself the free will be the	
Reply Soom 20.0.0.10: bytes=32 time=4m8	
TT1212+	
IP route was observed as.	TI SI
Router # show ip route	
14 most really to the second of any	
0.01 330 K	

Ping Statistics for 20.0.0.10;

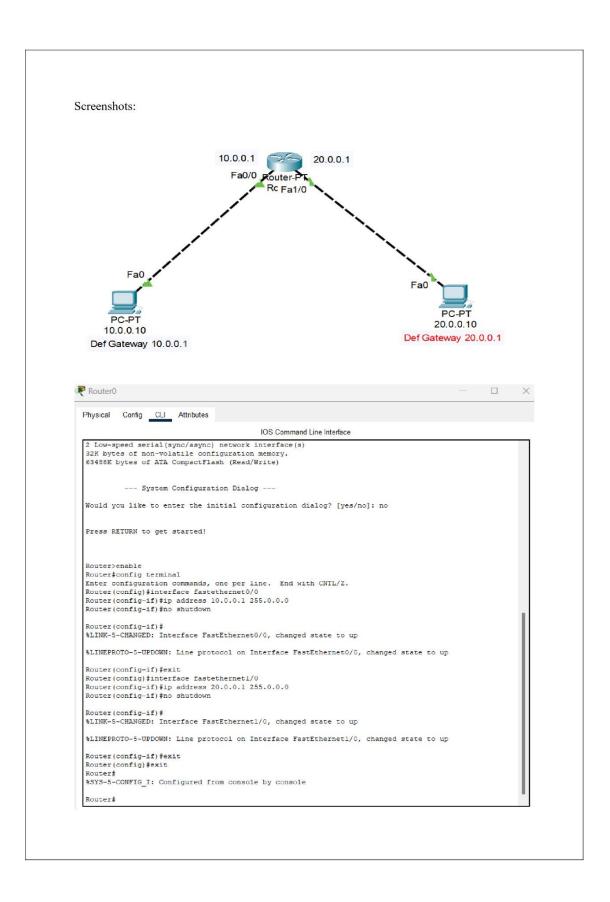
Packets: Sent: 4. Recieved = 4; Lost = 0 (% loss)

Approximum = 4ms, Maximum = 4ms, Avage =

4ms.

C 10.0.0.0/8 is directly connected, fastethemet 1/0

C 20.0.0.0/8 is directly connected, fastethemet 1/0



```
C:\>ping 20.0.0.10

Pinging 20.0.0.10 with 32 bytes of data:

Reply from 20.0.0.10: bytes=32 time<lms TTL=127

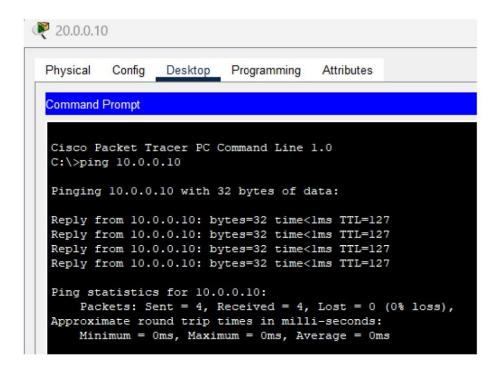
Ping statistics for 20.0.0.10:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```



16/10/24	Lab No-3 (Experiment2) Date	
1611	2 Routers	
	Aim: To configure ip address to routers in packet	
	Traces Explore following messages: Ping	
	responses, destination. unocallable region	
	timed out, reply	
and the		
l existence	Topology:	
-	30.0.0.2	
	10.0.0.2 Se2/o Se2/o 20.0.0.2	11/2/2
	fal/dRoutex-PT Routex-PAFay/o Routex O Routex	
	, Kouter 10 (2000)	
-		
	/	
	PC-PT DC-PT	
	PC-PT PC-PT 70-0-1	
	Def gateway 10.0.0.2 Def gate way 20.0.0.2	
	Dika di manana d	
	Procedure:	
0	Add two Pas and two given Routers.	
(2)	Configure end devices 10.0.0.10 & 20.0.0.10	Cou
	and derine gatewaye	
(3)	Connect PC to Router Using copper crossored connect the routers to each other using	
	on rect the rankers by	
	Senal DCE	
@	Confirm the	rend
4)	Configure the routers: click on Router -> CLI -> Configure to end derices Similar to last experiment.	
	Cuck on Router -> CLI	
<u> </u>	configure to end derices Similar to last	
	experiment.	

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Page: Date: / /
- Connecting the souters:
Commands:
Route>>enable
Router # Config terminal
Ranted config) # interface Sevial 2/0
Routed (configris) # ip address 30.0.0.1
Router (configrif) # ip address 30.0.0.1 Router (configrif) # no shut
6 Give appropriate naming
6 Ping the device 20.0.0.1 from 10.0.0.1
OBSERVATIONS"
The connections were done property, and
0.11
@ But when the device 10.0.0.10 pinged 20.0.0.10
DBut when the device 10.0.0.10 pinged 20.0.0.10 the output showed that the host was
unreachable I mant direct neighbours
3) Sing the networks are not direct neighbours
3) Sing the networks are not was failed. Arectly Connected the data sent was failed. Some networks was Success Since
Pinging the Same networks was Success Sice Pinging the Same networks was Success Sice Pinging the Same networks was 30.0.0.1 for
they can chocking
10.0.0.18 was a Success.
10.0.0.04
the state of author all and
- Rish of adjustment
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