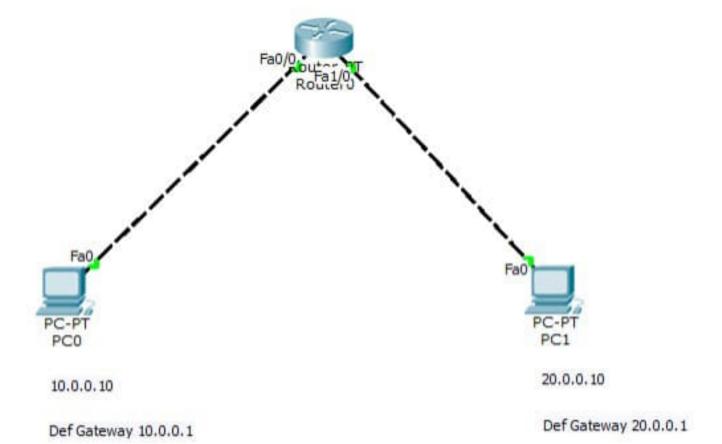
PAGE NO: DATE: 09-10-24 · Objective: To create simple network consisting of 2 pc's connected to the router facilitating communication between the two pi's through router · Topology: 21°C's are connected to the router using copper cross over 10.0.0.1 ( 20.0.0.1 Rower-1 PC-P7
PC-P7 Def Codeway: 10.0.0.1 Def Codeway: 20.0.0.1 · Procedure:

1) Cornect the 2 pc's to the rower using copper cross over 25 Open config in the PC and configurethe IP address and the gateway. 3) Do the same for other PC up open CLI in the router and configure the

	PAGE NO:
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	A
10 - 10 /3 s	fast ethernet connection by the following
17	commands:
assort ye	renable
4.0	> config terminal
	> interface factettemet 0/0
yelise	> ip address 10.0.0.1 255.0.0.0
	· gateway subnet mark
	> no shutdown
	exit
	1.000001
53	Repeat the steps for other Pc connection.
6	Gro to
	Cro to CLI for sending messages from
-72	200.12.10 is the in middle of the
	receives PC.
	160000
•	objervation: Roulers can be used to manage
	communication and data transfer
	between two different retwork
	while doing ping test we can
	observe that chances of look
	one packet are high because
	the bouter will be busy in
	establishing the connection.
	Out out
	Router's show ip route
	Change of last road in hit not
	Gabeway of last resort is not set
13000	6 10.0.0.000 is directly connected to factothers  6 20.0.0.010 is directly connected to factothers  Ding statistic
	Ding statistic Packets:
	Packets:



## Command Prompt

```
Pinging 20.0.0.10 with 32 bytes of data:
Request timed out.
Reply from 20.0.0.10: bytes=32 time=0ms TTL=127
Reply from 20.0.0.10: bytes=32 time=0ms TTL=127
Reply from 20.0.0.10: bytes=32 time=0ms TTL=127
Ping statistics for 20.0.0.10:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = Oms, Maximum = Oms, Average = Oms
PC>ping 20.0.0.10
Pinging 20.0.0.10 with 32 bytes of data:
Reply from 20.0.0.10: bytes=32 time=0ms 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 = Oms, Maximum = Oms, Average = Oms
```