17/11/22					
AIM:- Confi teachet transpired ping respon	iguring cor Expl	IP add	vess to Lefollow Lenneabra	rout. ving	ers in molsage
ping respon	sukly.	in at ion			
Topology:-			\$ 7 c		i de La estada de l La estada de la esta
one-nouter					
	Fa 90	nouter	Fai/0	0.0.10	
	/				
	/ Fac)			
			3	- L	
	PC - PT PCO	-	PC P	- PT	
	10-0-0.1			0.0.1	
Three Router!	v)				1
20.6.0.1					
	7	20.0.0.2	,.0,0,1	30.0.6	2,2
200 20	1 100		sec 3 0 per 2	10	
ool soutero	1	router!	1	route	72
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					1 7 7 7 7 7 7
Fao		•		Fao	\
				Tao	
PC-PT			1		21 27
PCO					PC-PT
.0.0.0.1					40.0.0.1

Proodure:
One Router -
-> Clace a generic PC, a generic router and notes with IP address and connect using
metas and 21
copper cross over
-> Click on both PC's and set IP addresses of 10.0.0.1 and 10.0.0.2 with gateway for each as 10.0.0.10 and 10.0.0.20.
- 6 05
-> Rick on router, then go to CLI and execute following commands.
-> Emalle -> conbig - t
= interface fast ethernat 0/0
-> ip addens 10.0.0.10 255.0.0.0
-> mo shut
New connection between &C and router
event green and repeat above steks for PCs
until representation turns green Route table
can be seen by using "show it route" command
Alous ping a PC by selecting the of the
desktop -> command prompt.
Three Routers
a PC's are connected to 1st and 3rd router
using copper cross and 3 routers are connected using copper cross and 3 routers are connected
with sequence 1st - 2nd -> 3rd using serial
DCE calke.
-> Place notes to indicate IP addresses and forts of fact atherinet and social ports
sof somet mose Bor
- set IP address, gateway, submet most Bor Joth PC's.
- Now configure router!
* Click -> no
* Enosite
* Consig t
TO A MARINE SERVICE STORY OF THE SERVICE SERVI

of interface fastethernet ofo. n ip address 10.0.0.10 255.0.0.0 * no shut by this first of and left half of nouter connection is established. * config t > interface social 2/0 -> ip addres 20.0.01 255.0.0.0 -> no shut Now right side connection is established for 184 nouter. -> no the same steps for norter 2 and three with correct IP addresses and port selection to establish connection on both sides of each of the routers successfully. -> After all rennections green lights are shown as a result of successful completion, now if we ring we get "destination unreachable". -> If we ping to the other nouter 1 we get "request timed out" as routiers are not trained for indirect LAN'S. * Train router 1 Sry:-20.0.0.2 ip route 30.0.0.0 255.00.0 20.0.0.2 ip route 40.0.0.0 255.0.0.0 * Train router 2 by :-20.0.0.1 ip route 10.0.0.0 255.0.0.0 30:00 0.2 ip route 40.0.0.0 255.0.0.0 * Train router 3 ky. 30.0.0. ip route 10.0.0.0 255.0.0.0 30.0.0.1 ip route 20.0.0.0 255.0.0.0 -> Now pinging from PCO to PCI is successful Observations One - nouter ! Pringing output for first time Ping 20.0,0,1

requet timed out. Reply from 20.0.0.1 : bytes = 32 Ropely from 20.00011: bytes = 32 Reply from 20.0.0.1 bytes = 32 Ring statistics for 20.0.0.1: packets sent = 4. received = 3 - lost = 1 But when PCO kings PCI again or if runerse king happens, we get reply all 4 times 3 routers :-* Output when PCO is kinged by PCI or vice rersa before routers are strained of unknown Ring 4000 1 Pringing 40.0.0.1 with 32 bytes of data Reply forom 10.0.0.10: distination host unreachable Reply from 10.00.10: destination host unreachable. Ropely from 10.0.0.10: Destination, Sost unreachable. Reply from 10-0.0. P: distination host unreachable. PING Statistics 40.0.0.1 Parchets sent = 4, succired =0, lost = 4 * PING 20.0.0.2 request timed out request timed out sequest timed out suggest timed out Packette sent = 4, received = 0, lost = 4 * When southers are trained PING 40.0.0.1 Pinging 40.0.0.1 with 32 bytes of data Request timed out Reply from 40.0.0.1 kytes = 32 times=2 ms Reply from 40.00.1 kytes = 32 times=2 ms Reply from 40.00.1 bytes = 32 time = 2 ms Pinging statistics for 40.0.0.1 packets sent = 4,