Presentation & Report 25- Lab manual. Telneti-192.168.1.1 192.168.1.11 192.168.1.20 [PCT] -> /SwI] -> | Routers SI) configure switch Sw1 Tenable # CODE t # interface ylan1 # ipaddress 192,168,1.11 255,255,255 # noshutdown Hexit. 52) User name & password > Telnet # username cisco password conA # line vty oto 0 15 93) # login local # transport input ternet # do show new Command line of pct 0:> telnet 192.168.1.11 SWI7 enable SW1#

255.0.0.0 If bits are will now host pages address PC -> Router, crossover cable Router > Switch, straight cable switch >PC, Straight cable * no Shutdown - enable that particular database * IP address (Internet Protocol address) we can give it logically. (logical * Subnet Mask Network mai jo computer baj coo Same network mai ye pata kine keliye use krte hai. (It seperates out the IP addresses into two parts - network addres & hast address) * Defaut gateway connects local devices to other networks. 255-0.0.0 1-127 Class A 255.255.0.0 128-191 class B 255.255.255.6 192-223 class C 224-239 classp It also tells how many networks & hosts will be there.

-> we can't connect two switches directly. -> Between Routers -> crossorer cable > we cannot connect Straight cable For two similar devices -> po & Router > crossover -> Re & switch, # & Router -> straight Jan 12 +) Take the devices > Assign the ip addresses (I can only Router & enable (user mode) of access or enable.
Router & conft (Priviledge mode) this mode) > (Executive mode) Roceter (config) y (I can config. the router preconfig. of current If there are multiple routers & I coant to change the name of router Router (config) # hostname R1 RI (config)# no hostname Rower (config)# Router (config) # hostname RI RI (config) # exit RI# exit

Passwered:

RI # Show ip interface brief Enought password RI # enable secret 12345

RII # conft

RI # emable secret 12845

exit

exit

Remove passwords

conf. t

no enable scaret

exit

conft

no enable password

exit

noshudown -) for enabling the interface

-) nslookup

Router: - ping 10.10.0.3

why lost packet?

Because it is learning. Initially switch & nouter one not equiped with the MAC address of each & every host. It is going to learn in the process.

i.e. sue to yoknown unicast frame

+	Router
-	Router 7 enable
-	Router # show onp.
1	
1	DHCP
1	
	PT Switch
	cannot connect more than 4 drevices
	For that
	click on switch of Turn off switch -
	add extra Switch PT-Switch-m-ICFe
	For fast etherenet
	- Tymon
	O Go to the server
	And configure it statically
	192.168.0.1
	255.253.255.0
	192.18.0:1
	0.0.0.0 PORA
	service > ON
	@ services +> DHCP -> ON.
	b-0 11 0 min (42-168-0-1
A	Defaelt quiteray 10.0.0.1
	ONS server 10.0.0.1
	some

DNS
A RAGO Scoitch
Assign IP addresses to all devices &
configure static.
Give ons & default gateway some add.
> configure DNS (static)
> services > DNS > ON > add
HTTP > web browser.
AND THE RESERVE OF THE PARTY OF
tracest
nslookeep
DNS, DHCP, HTML
DI WI DI COLL
wewill make nouter DHCP itself.
wecellimate to
a aldresses
Assign the ip addresses
Configure Router
> enable
Conft
> interfacegolo
7 ip address
> noshutdown
> ip dhap pool net 1
> default-monter 10.0.0.1 > default-monter 10.0.0.1
> default-router 10.0.0.1 > de conferment (build & store > do conferment (configuration
Pexit
1000

> interface 90/1				
Sin coldons a management				
7 ip address 20.0.0.1 255.0.0.0				
> noshætdown				
ip drop pool net 2				
7 network 20.0.0.1 255.0.0.0				
> default-vouter 20.0.0.)				
> do cernite memory				
ce will get op addresses dynamically				
112 - 2 to assign a pros server.				
How to assign a DNs server.				
Mext step is to assign a dos servers				
Next step is to assign a drs server				
For that go to router CII				
> dns-server 20.0.0.4 (end config.)				
> do write memory				
CENIT				
>interface 91010				
right pool nets				
> dns-server 20.0.0.4				
>interface qto/o riphoppool net I yelns-server 20.0.0.4 > do write marnor				
Now go to pres server.				
1900				
services > DNS > on > add				
Services /				

		DATE: / /				
	DCE - data comm. equipm					
	DYRP		1			
	Contract of the second					
Somal interface For longer distance 8 transmit data somally						
	> After connecting d	Levices				
	Go to router	8 4				
	WICOT drag & drop	3 74111011				
	n- ond	· · los				
	Similarly For 2nd row	ates.				
	serial 0/3/0 -> Seria	01 0/3/0				
		pelhi				
	Mumbai 2811	281)	1			
	Router					
	20.0.0.10	172.16.0.10				
	296-247	Switch 296024TT				
		PC				
	PC PC		1			
	20.0.0.1 20.00.2	172.168.1, 172.16.0.	2			
->	configure ilp adobresse	es				
-) configure Router					
	> enable					
	> conf 6					
	> host name Mumbai.					
	> interface Falo					
	> ip address 20.0.0.10 255.0.0.0					
	> no shutdown		_			

> Router > config > Serial 0/30/0> CIK 804177 64000 1p Config. 192.168.30.1 >0N For next nouter, configure it & keep the clock settings as mot set lo to router exit numbai (config) # nouter rip # network 20.0.0.0 # network 1922.168.30.0 # do write memory # exit mumbei (config) #