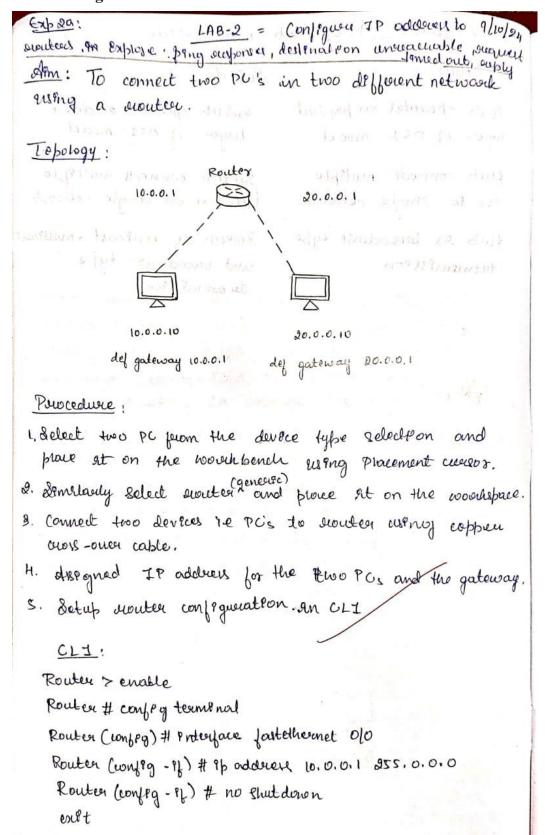
## **COMPUTER NETWORKS**

Week 2

9/10/24

## **Routers**

Configure IP address to routers in packet tracer to understand the working of routers in connecting devices of two different networks



Router (confry-96) # Ph oddress 20.0.0.1 255.0.0.0

Router (confry-96) # no shutdown nodes are not exet

Router (confry-16) # no shutdown nodes are not through proper connocled the nodes show 86 swate through proper confr confry wied.

6. Clack on PCs and go to Desktop and choose compand here becompt, pang 20.0.0.10 to observe status of the parkets.

## Observation!

- . The buttons on the copper was over connect on twented gueen and cateng concect connect son
- · Powhets were successfully transferenced showing overally as:

Pachete: Sent = H, Receptued = 040 lost = 0

· prng 20,0,0,10

Pfngeng. 20.0.0.10 with 32 byter of data:

Pfng Statestru for 20.0.0.10:

Pachets: Sent = H , Recepted = H, loct = O

Appendent sound trep temes on mill-second:

Menemin = Ome, Manimum = Ome, Aucuonge = Ome

· Routing table desuits:

Router > show of evoute

Codes: C-connected, &-states, I-lGRP, R-RIP

M-Mobble, B-BGD, D-EIGIRP, EX-EIGIRP external

0-0SPF, IA-OSPI- enter acrea

NI-OSPE NSSA external type 19 N2-OSPI- external

type 2, C-EGP 1-15-IS level-1,

L2-IS-IS level-2, 901-IS-IS Portor acrea

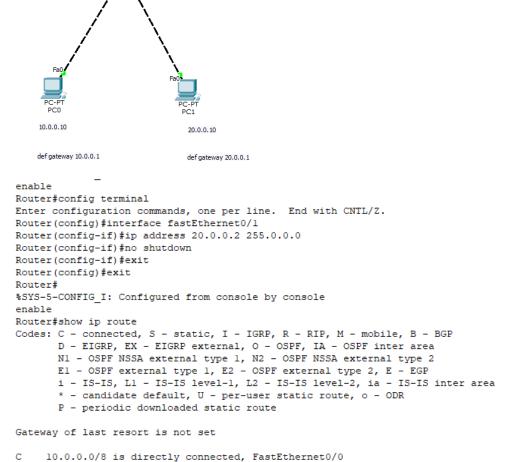
To condition default, U-per-user states woulte, 0-ODR
D-periodic downloaded states woulte.

Gateway of last visions is not set.

C 10.0.0.0 | 2 is devectly connected, Fortethernet 0/0
C 20.0.0 | 2 sy devectly connected, Fartethernet 1/07

## **Topology**

10.0.0.1



20.0.0.1

20.0.0.0/8 is directly connected, FastEthernet0/1

```
Packet Tracer PC Command Line 1.0
C:\>ping 10.0.0.1

Pinging 10.0.0.1 with 32 bytes of data:

Reply from 10.0.0.1: bytes=32 time=lms TTL=127
Reply from 10.0.0.1: bytes=32 time=lms TTL=127
Reply from 10.0.0.1: bytes=32 time=3ms TTL=127
Reply from 10.0.0.1: bytes=32 time=lms TTL=127

Ping statistics for 10.0.0.1:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:

Minimum = lms, Maximum = 3ms, Average = lms
```

```
C:\>ping 20.0.0.1
Pinging 20.0.0.1 with 32 bytes of data:

Reply from 20.0.0.1: bytes=32 time=lms TTL=127
Reply from 20.0.0.1: bytes=32 time<lms TTL=127
Reply from 20.0.0.1: bytes=32 time<lms TTL=127
Reply from 20.0.0.1: bytes=32 time<lms TTL=127
Ping statistics for 20.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = lms, Average = 0ms</pre>
```