

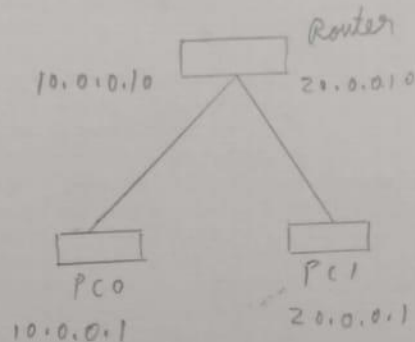
EXP-2

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QUESTION: Demonstrate working of router

AIM: using IP configuration connect PCs to router

TOPOLOGY



Procedure : → connect PCs to Router
→ configure IP and create way to every PC
→ configure router using command line interface

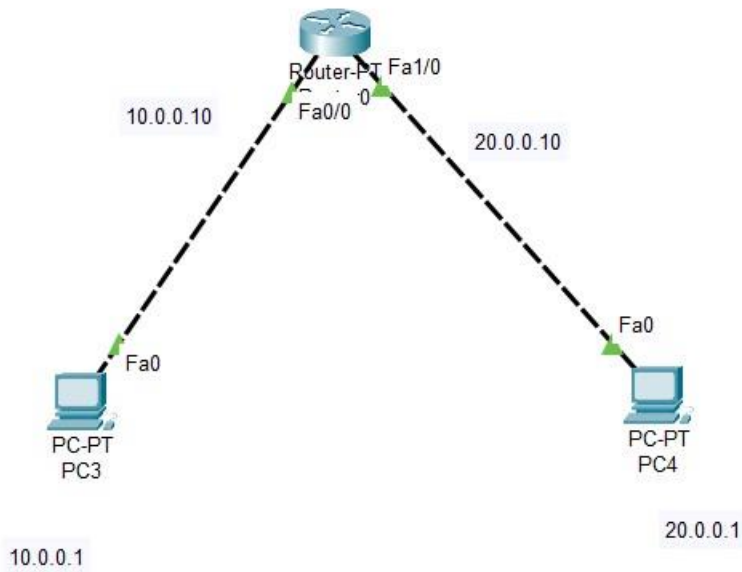
CLI commands:

- 1) Enable
- 2) config t
- 3) interface fastEthernet 0/0
- 4) IP address 10.0.0.0 255.0.0.0
- 5) no shut
- 6) show IP route
- 7) exit

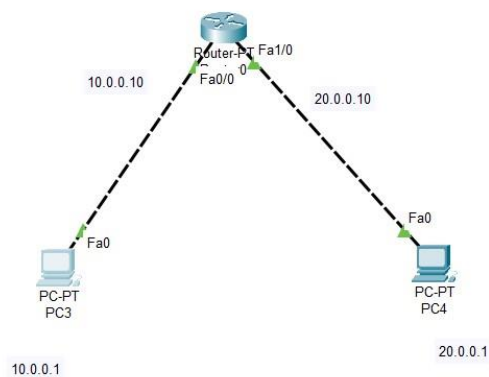
observation: → Router allows 2 networks to communicate each other.

→ offers a gateway to communicate with other networks

TOPOLOGY :



PING:



```
PC3
Physical Config Desktop Programming Attributes
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>PING
Packet Tracer PC Ping
Usage: ping [-n count] [-v TOS] [-t] target
C:\>ping 20.0.0.1
Pinging 20.0.0.1 with 32 bytes of data:
Request timed out.
Reply from 20.0.0.1: bytes=32 time<1ms TTL=127
Reply from 20.0.0.1: bytes=32 time<1ms TTL=127
Reply from 20.0.0.1: bytes=32 time<1ms TTL=127
Ping statistics for 20.0.0.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>
```