LAb-2) *determine IP address of the router and explore the ping command..*

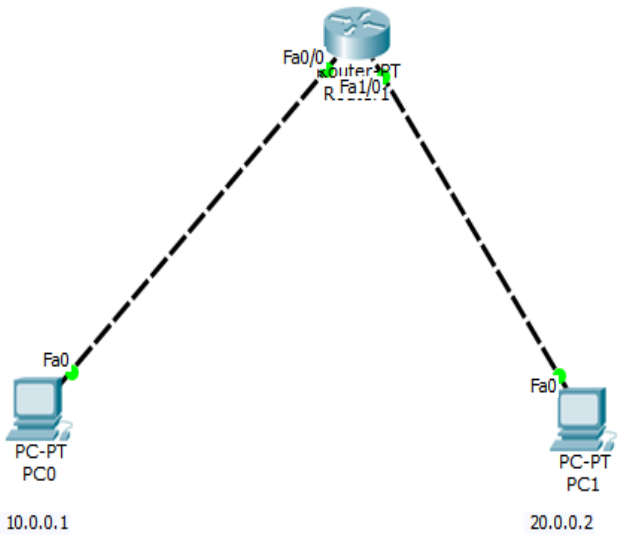

fig -1.1 Determine of IP address of the router

```
PC>ping 20.0.0.2

Pinging 20.0.0.2 with 32 bytes of data:

Reply from 20.0.0.2: bytes=32 time=0ms TTL=127
Reply from 20.0.0.2: bytes=32 time=0ms TTL=127
Reply from 20.0.0.2: bytes=32 time=0ms TTL=127
Reply from 20.0.0.2: bytes=32 time=0ms TTL=127

Ping statistics for 20.0.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

PC>
```

fig-1.2 *determine IP address of the router and explore the ping command*

steps for router configration.

* In end devices select 2 pc pc0 and pc1
* go to the PC0 and click on fastInternet0 enter IP address 10.0.0.2 and submission Marks should be 255.0.0.0
* go to the PC1 and click on fast Internet0 enter IP address 20.0.0.2 and submission Marks should be 255.0.0.0.
* both PC0 and PC1 will be different network
* similarly go to the router and click on cli and write following

① command → enable
② interface fastethernet 0/0
③ ip address 10.0.0.2 255.0.0.0
④ no sutdown

now write again 2 steps for routers

① interface fastethernet 1/0.
② ip address 20.0.0.1 255.0.0.0.
③ no sutdown

④ now go to the pc0 and config enter gateway 10.0.0.2
* and go to the 2nd pc and config enter gateway 20.0.0.1

checking to wether 2 pc connected ornot →
go to the pc0 and Desktop and in command prompt write
ping - 20.0.0.2

observation. → ping 20.0.0.2
Pinging 20.0.0.2 with 32 bytes of Data:
Reply from 20.0.0.2: bytes = 32 time 0ms TTL = 127
Reply from 20.0.0.2 : bytes = 32 time 0 MS TTL = 127
Reply from 20.0.0.2 : bytes = 32 time 0MS TTL = 127
Reply from 20.0.0.2 : bytes = 32 time 0MS TTL =
Ping statistics for 20.0.0.2;
Packet : sent : 4 recived = 04 lost = 0 (0% loss)
Approximate round trip name in Milli - Seconds!
Minimum = 0ms, Maximum = 0ms Avarage = 0ms