Computer Networks
Lab-2

Two PCs (PC0 & PC1) are connected using Router

Details:

PC0:

    ip: 10.0.0.10

    default gateway: 10.0.0.1

PC1:

    ip: 20.0.0.10

    default gateway: 20.0.0.1

Router:

PC0 is connected to fa 0/0 (Fast ethernet port 0)
PC1 is connected to fa 01/0 (Fast ethernet port 1)
using copper cross-over cables physically.

Router is configured with

    FastEthernet0/0 $\longrightarrow$ ip: 10.0.0.1
                    subnet mask: 255.0.0.0

    Fast Ethernet 1/0 $\longrightarrow$ ip: 20.0.0.1
                    subnet mask: 255.0.0.0

Outcome:

* configuration of router as it is a Layer-3 device.
* Ip addresses for the router is same as the default gateway.
* pinging the device on the network. (ICMP protocol)
* Using ping command to check whether the destination is alive or not, along with round trip times in ms.