DATE :

Exp 2 :-

Aim :- Configure IP address to routers in Packet tracer, explore Ping, responses destination unreachable, reply, request, timed out.

Procedure :- End devices are connected to routers then Ip address is configure to end devices. Config Ip address and Subnet mask using command enable, Config terminal interface Fa 0/0, ip address 10.0.0.2 255.0.0.0 no shut down. Gateway is config for end device. End devices and interface are Pinged to check connection.

Topology :- Star topology

Result :- Successfully pinged end devices.

PC$ Ping 10.0.0.1

Pinging 10.0.0.1 with 52 bytes of data

Reply from 10.0.0.1 byte = 32 time = 6ms TTL = 128

Reply from 10.0.0.1 byte = 32 time = 6ms TTL = 128

Reply from 10.0.0.1 byte = 32 time = 5ms TTL = 128

Reply from 10.0.0.1 byte = 32 time = 3ms TTL = 128

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Ping Statistics for 10.0.0.1
Packet : Sent = 4, Received = 4
lost = 0 (0% Loss)
Approximate round trip times in milli seco
minimum = 2ms maximum = 6ms Avg = 4m

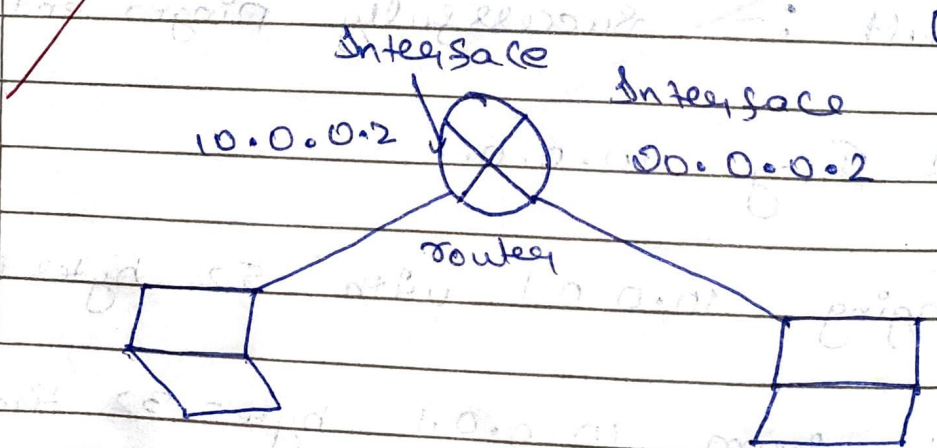
Per Ping 20.0.0.1

Pinging 20.0.0.1 with 32 byte of data:

Request time out :
Request time out :
Request timed out :
Request timed out :

Ping Statistics for 20.0.0.1

Packet Sent = 4, Received = 0, lost = 4
(100% Loss)




IP: 10.0.0.1
GateWay: 10.0.0.2

IP 2: 20.0.0.1
GateWay 20.0.0.2

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Observation

When we config both end devices and routers with appropriate ip address and by configuring subnet mask of interface of routers as 255.0.0.0 and gateway of PC0 set as 10.0.0.2 which is of ~~PC1~~ Fa0/0 interface followed by same for PC1.

Then we could successfully Ping.

when gateway of end device is not configured then we get request time out.

24/11/22