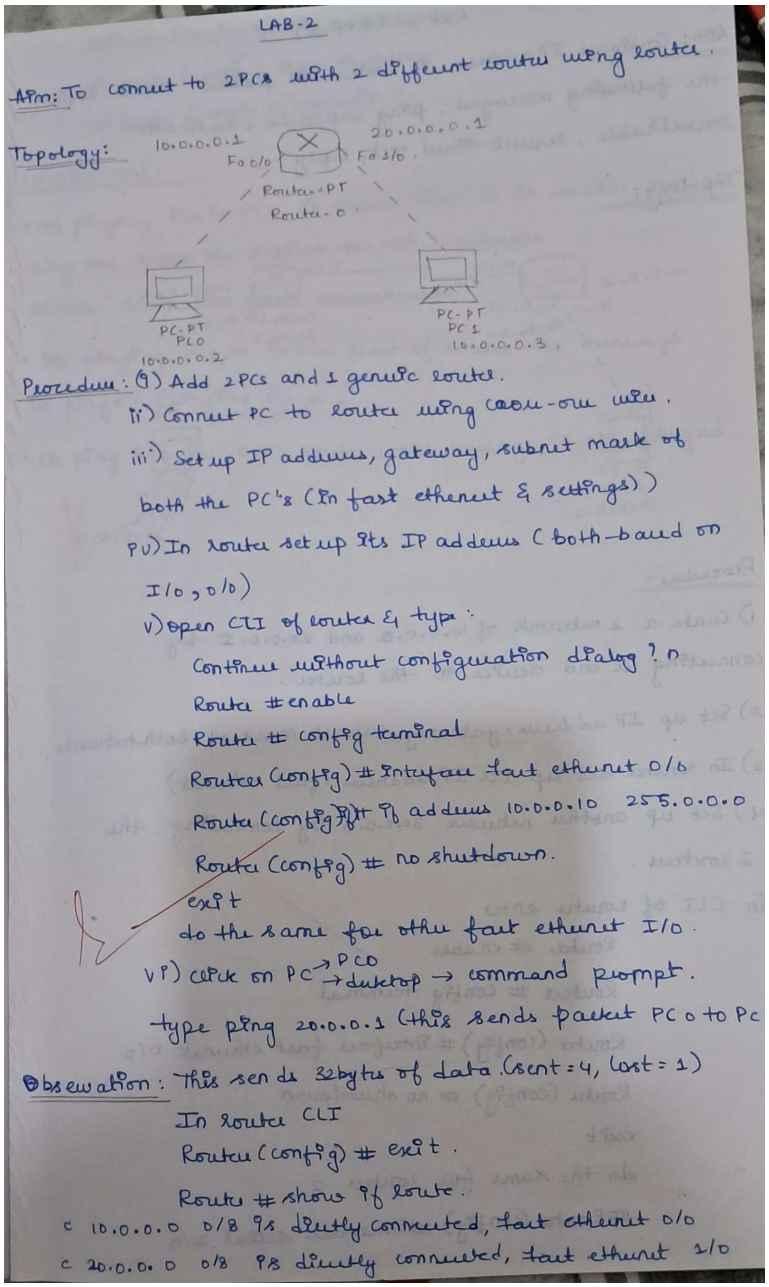
Program-2

Configure IP address to routers in packet tracer. Explore the following messages: ping responses, destination unreachable, request timed out, reply

Topology, Procedure and Observation:



LAB-2

Aim: To connect to 2 PCs with 2 different routes using router.

Topology:

Procedure: i) Add 2 PCs and 1 generic router.

ii) Connect PC to router using cross-over wire.

iii) Set up IP address, gateway, subnet mask of both the PC's (In fast ethernet & settings))

iv) In router set up its IP address (both-based on I/0, 0/0)

v) Open CLI of router & type:

Continue without configuration dialog? n

Router # enable

Router # config terminal

Router(config) # interface fast ethernet 0/0

Router(config-if) # ip address 10.0.0.10 255.0.0.0

Router(config) # no shutdown.

exit

do the same for other fast ethernet I/0.

vi) click on PC → PC0 → desktop → command prompt.

type ping 20.0.0.1 (this sends packet PC0 to Pc

Observation: This sends 32 bytes of data. (Sent = 4, lost = 1)

In router CLI

Router(config) # exit.

Router # show ip route.

C 10.0.0.0 0/8 is directly connected, fast ethernet 0/0

C 20.0.0.0 0/8 is directly connected, fast ethernet 1/0

Screenshots: