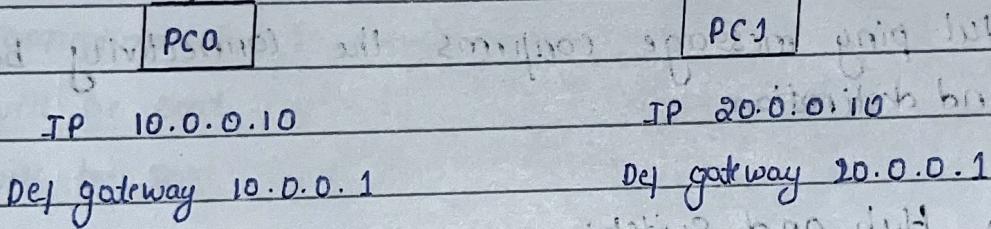
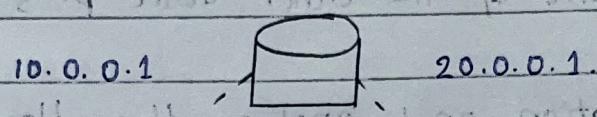


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## LAB-2

Objective: To create a simple network consisting of 2 PC's and simulating communication between them through a router.

Topology:



Procedure:

1. place 2 generic pc's and one generic router. connect both pc's to the router's fast ethernet ports using copper crossover wire.
2. Select PC 1 Config → Fast ethernet 0/0 set IP address as 10.0.0.10 and default gateway 10.0.0.1 similarly for PC 2 IP address as 20.0.0.10 and default gateway 20.0.0.1.
3. Select router and go to the CLI

Execute the following commands

```
> enable  
# config terminal  
# interface fastEthernet0/0  
# ip address 10.0.0.1 255.0.0.0  
# no shutdown  
# exit
```

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notice PC0 and router 0 are successfully connected now run for PC1

# interface fast Ethernet 1/0 & bnd eth0 & bnd eth1

# IP address 20.0.0.1 255.0.0.0

# no shutdown

PC1 is also successfully connected

4. Select PC0 → Desktop → command prompt

ping PC1 by running command

→ ping 20.0.0.10

Observe the output

Observation

PC0 successfully pings PC1 with 32 bytes of data

ping statistics for previous

packets : Sent = 4, Received = 4, Lost = 0.

✓  
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