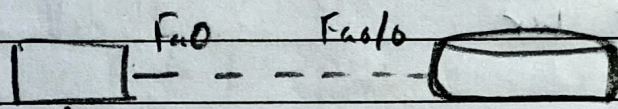Experiment 9 — To understand the operation of TELNET

Aim — To understand the operation of TELNET by accessing the router in server room from a PC in IT office.

Topology


```
        Fa0      Fas/0
   [        ]---------(        )
      △        - tgmq    Router 1      N/
      PC0             1.0 10.0.0.1
   Og      10.0.0.2
```

A router connected to a single PC via a fastethernet interface with copper cross-over cable.

Procedure

- Open cisco packet tracer and drag a PC and a Router.
- Connect the PC to the Router via fastethernet interface with a Copper cross-over cable.
- Assign the IP address for the PC to 10.0.0.2 with gateway as 10.0.0.1.

Configure the router: -
Router > enable
Router # config
Router (config) # hostname r1
r1 (config) # enable secret p1
r1 (config) # interface fastethernet 0/0

```
r1 (config-if) # ip address 10.0.0.1 255.0.0.0
r1 (config-if) # no shut

r1 (config-if) # line vty 0 5
r1 (config-if) # login
r1 (config-line) # password p0
r1 (config-line) # exit
r1 (config-line) # exit
r1 # wr
```

In command prompt -

ping 10.0.0.1

Password for user authentication is p0
Password for enable is p1.

Observations

The PC is able to send the data to the router and indicates that the gateway is available and connected.

Remote login

- The PC can remotely access the router on the system via TELNET protocol.