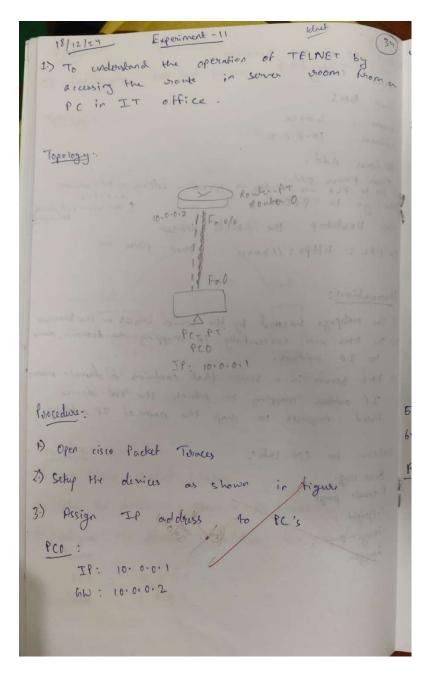
Program 11

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

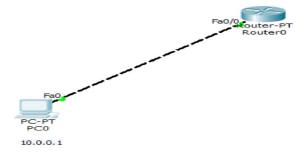
Topology, **Procedure and Observation:**



In Router O Router > enable Rowler # config t Router (config) # nostraine RI RI (config) # enable secret Brisce RI (config) to interface fast Ethernel 0/0 IP address 10.0.0.2 No shutdown link Ny 03 login password & password 2> exit is long to send that exiteration 92/127 1000 (To save changes in mouter) 50 to to CMD in PCO and ping 10.0.0.2 6.) After 1st ping now type Telnet 10.0.0.2 Result: [ping] with 32 byted of dala Reply from 1000.0.2 with bytes 32 time = one TTI= Fing Statistic:

Telnet] Trying 10:0.0.2 - - . open user access verification (Enter password) RI> enable Password. 4 password 2> RI# show IP roule baleway of last boute is not set. c: 10.0.0.0/8 is directly connected, fac/o R19# Observation: Telnet is a test based photocol that enables remote communication over TCP/IP reprovider It allows the execution of commands on a vienote device, often used for initial setup as your management. In the experiment, we see that all configs and commands executed via Telnet missioned those Lone disochly on the souter but from PC interface instead. Disadvantage is that Telnet lacks making it loss secure compared to SSH+

Screen Shots:



Command Prompt

```
Packet Tracer PC Command Line 1.0
PC>ping 10.0.0.2
Pinging 10.0.0.2 with 32 bytes of data:
Reply from 10.0.0.2: bytes=32 time=0ms TTL=255
Reply from 10.0.0.2: bytes=32 time=0ms TTL=255 Reply from 10.0.0.2: bytes=32 time=0ms TTL=255
Reply from 10.0.0.2: bytes=32 time=0ms TTL=255
Ping statistics for 10.0.0.2:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:
      Minimum = 0ms, Maximum = 0ms, Average = 0ms
PC>telnet 10.0.0.2
Trying 10.0.0.2 ... Open
User Access Verification
Password:
R1>enable
Password:
Rl#show ip route
Codes: C - connected, S - static, I - IGRP, R - RIP, M - mobile, B - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
* - candidate default, U - per-users
            P - periodic downloaded static route
 Gateway of last resort is not set
         10.0.0.0/8 is directly connected, FastEthernet0/0
R1#
```