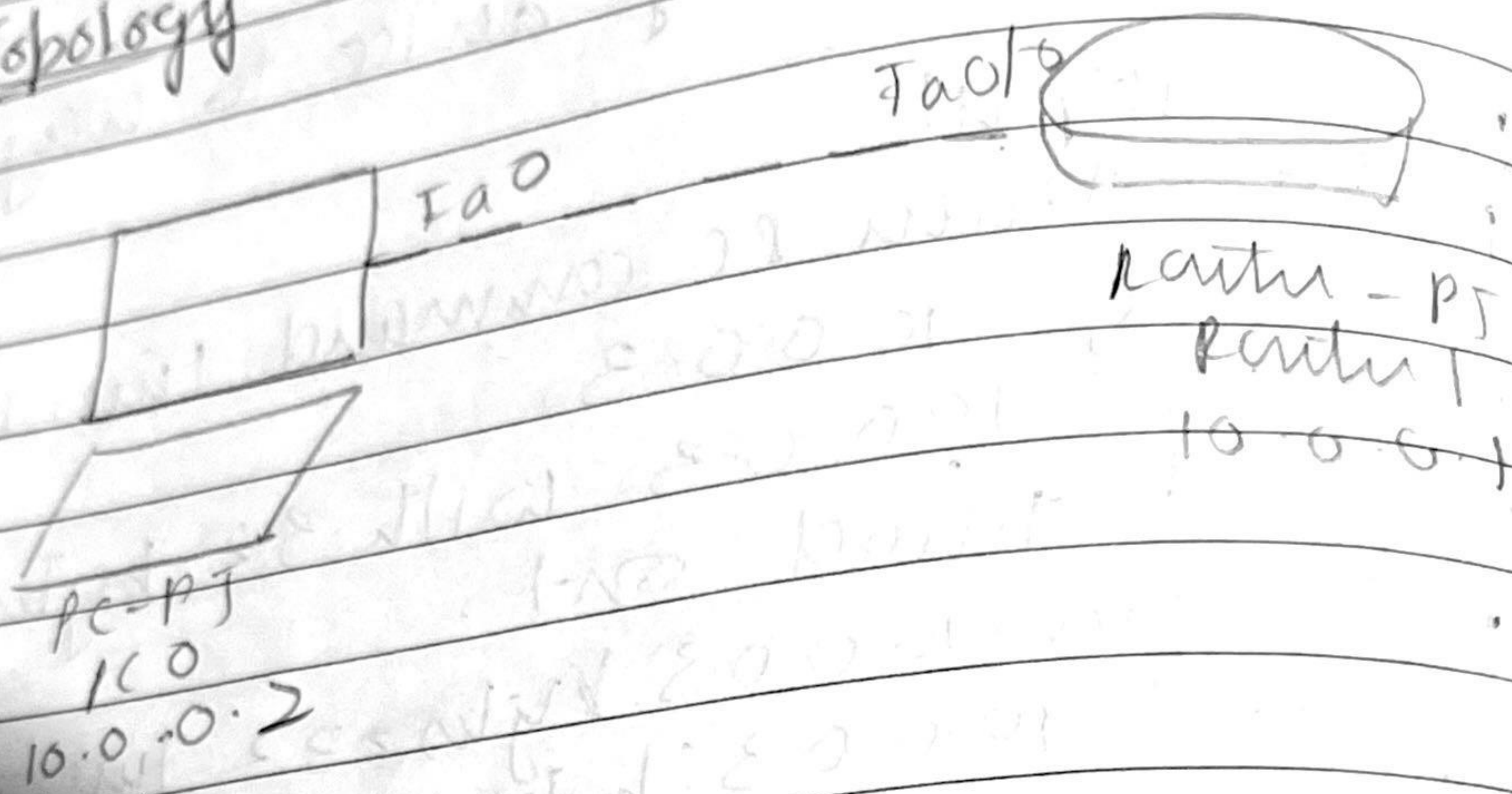
Aim: To understand the operation of TELNET by accessing the router in server room from a PC in IT office.

Topology



Procedure

1) Create a topology as shown above
2) Configure the IP address & gateway for PC0
3) Configure the router by executing the following commands.

Step 1: enable
Step 2: config T
Step 3: host name r1
Step 4: enable secret p1
Step 5: interface fastethernet 0/0
Step 6: ip address 10.0.0.1 255.0.0.0
Step 7: No shut
Step 8: line vty 0 5
Step 9: login
Step 10: password p0
Step 11: exit, exit
Step 12: wr

Ping w[illegible]
Password [illegible]
Password [illegible]
Access [illegible]
Show [illegible]
Ping [illegible]
Path [illegible]
PC> [illegible]
Ping [illegible]
Reply [illegible]
Reply [illegible]
Reply [illegible]
Reply [illegible]
Pi[illegible]
Pa[illegible]
Al[illegible]
S[illegible]

ping message to switch
password for user verification is p0
password for enable is p1
Accessing switch CLI from PC
Show IP switch

Ping output

Packet tracer PC command line 1.0
PC>Ping 10.0.0.1
Pinging 10.0.0.1 with 32 bytes of data.

Reply from 10.0.0.1 bytes=32 time=20ms TTL=255
reply from 10.0.0.1 bytes=32 time=20ms TTL=255
reply from 10.0.0.1 bytes=32 time=20ms TTL=255
reply from 10.0.0.1 bytes=32 time=20ms TTL=255

Ping Statistics for 10.0.0.1
Packets sent=4 received=4 lost=0 (0% loss)
Approximate round trip times in milli seconds
Minimum=20ms, Maximum=20ms, Average=20

PC> telnet 10.0.0.1
Trying 10.0.0.1 ... open
User Access verification
Password: p0
P1> enable
Password: p1
S1# show ip switch
:

C 10.0.0.0/8 is directly connected,
Fast Ethernet 0/0

Observation

- Telnet stands for Teletype Network, it is a type of protocol that enables one computer to connect to the local computer.
- It is used as a standard TCP/IP protocol for virtual terminal service provided by ISO.
- During TELNET operation, whatever is being performed on the remote computer will be displayed by the local computer. Telnet operates on a client / server principle.

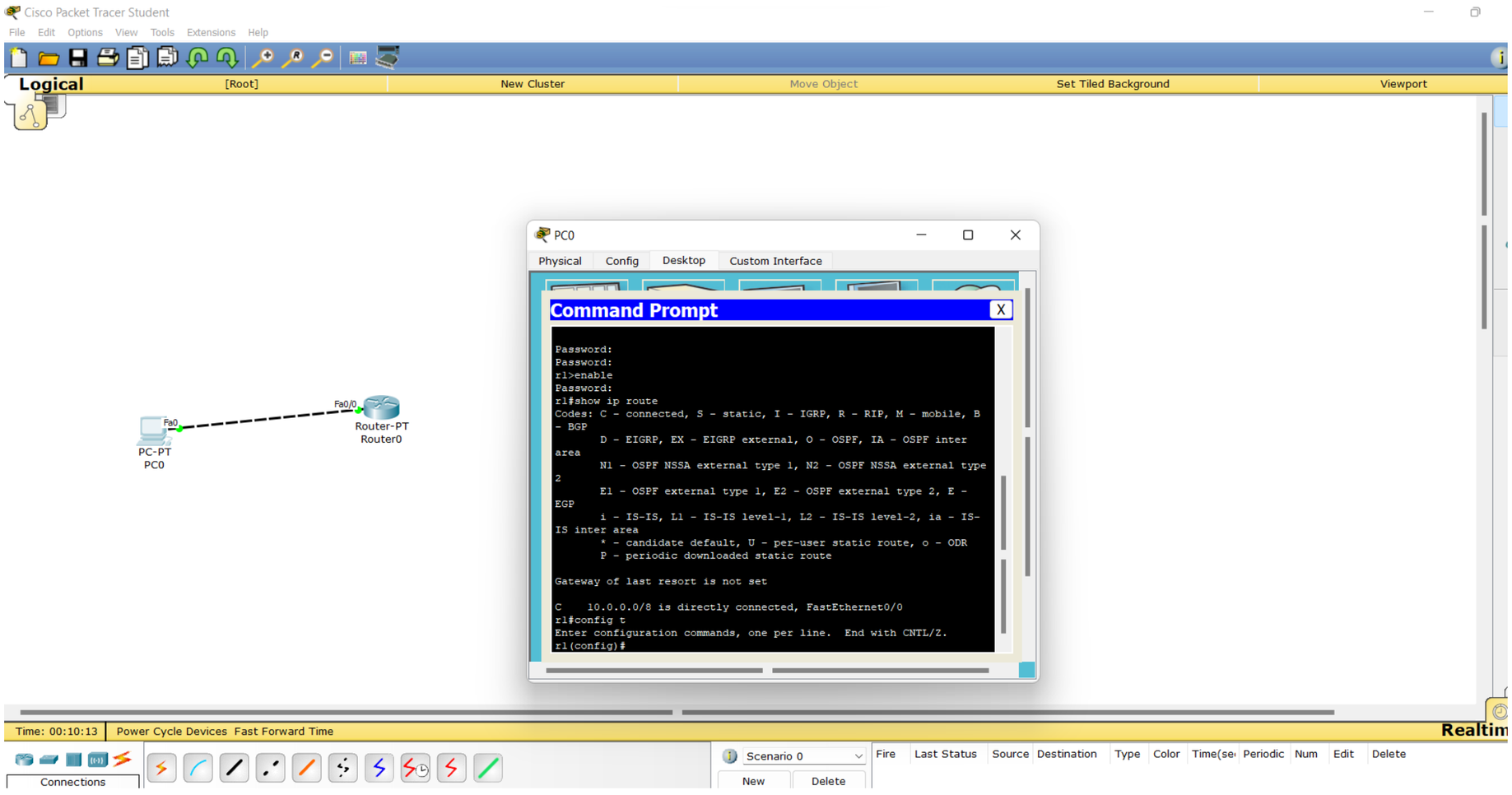
1/9/2023

B | write a
using

import
import

class
static
{

Stat


Cisco Packet Tracer Student
File Edit Options View Tools Extensions Help
Logical
[Root]
New Cluster
Move Object
Set Tiled Background
Viewport
Fa0
Fa0/0
PC-PT
PC0
Router-PT
Router0
PC0
Physical
Config
Desktop
Custom Interface
Command Prompt
X
Password:
Password:
r1>enable
Password:
r1#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-user static route, o - ODR
P - periodic downloaded static route
Gateway of last resort is not set
C 10.0.0.0/8 is directly connected, FastEthernet0/0
r1#config t
Enter configuration commands, one per line. End with CNTL/Z.
r1(config)#
Time: 00:10:13
Power Cycle Devices Fast Forward Time
Realtim
Connections
Scenario 0
New
Delete
Fire
Last Status
Source
Destination
Type
Color
Time(se
Periodic
Num
Edit
Delete