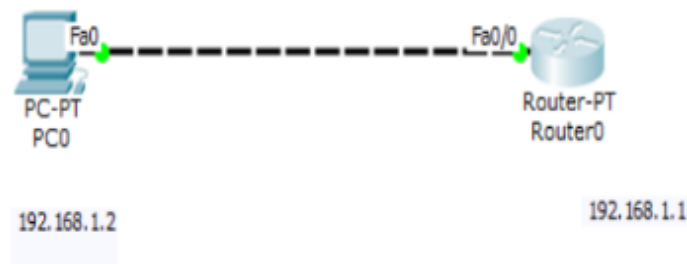


Program 5:

Aim of the program:

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

Screenshots/output:



```
Router0
Physical Config CLI
IOS Command Line Interface
Router(config-if)#exit
Router(config)#hostname R1
R1(config)#enable secret rp
R1(config)#int g0/0/0
R1(config)#
% Invalid input detected at '^' marker.
R1(config)#
R1(config)#line vty 0 5
R1(config-line)#login
% Login disabled on line 132, until 'password' is set
% Login disabled on line 133, until 'password' is set
% Login disabled on line 134, until 'password' is set
% Login disabled on line 135, until 'password' is set
% Login disabled on line 136, until 'password' is set
% Login disabled on line 137, until 'password' is set
R1(config-line)#password tp
R1(config-line)#exit
R1(config)#
R1(config)#
R1(config)#exit
R1#
%SYS-5-CONFIG_I: Configured from console by console
R1#vr
Building configuration...
[OK]
R1#
R1#
```

```
PC0
Physical Config Desktop Custom Interface
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=2ms 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 = 2ms, Average = 0ms

PC>telnet 10.0.0.2
Trying 10.0.0.2 ...Open

User Access Verification

Password:
R1>enable
Password:
R1#
```

Observation:

29/10/24

Experiment-5

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

after configuring exit and execute the following commands

```

host name R1
R1(config)# enable secret P0
line vty 0 5
login
password P1

```

TOPOLOGY:

CONFIGURATION:

- Place one generic end device and one generic router. connect them
give IP address of end device as 10.0.0.1
- execute the following commands in router 0


```

enable
config
interface fastethernet 0/0
ip address 10.0.0.2 255.0.0.0
no shutdown
exit
hostname P1 → giving name as routers

```

enable secret P0
line vty 0 5
login
password P1
exit
exit

OBSERVATION:

In PC0 command ping 10.0.0.2 is executed

```

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 time in milliseconds:
    minimum = 0ms, maximum = 0ms average = 0ms.

```

(i) In PC0 command TELNET 10.0.0.2 command is executed
trying 10.0.0.2 ... open
user access verification
Password: P1
P1> enable
Password P0
R1#

Now carryout the router configuration