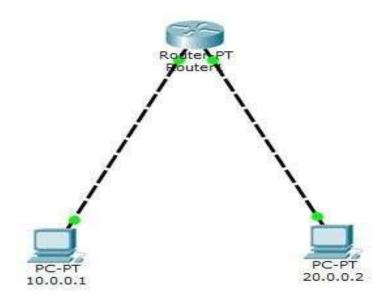
# **LAB - 2**

# Kamesh

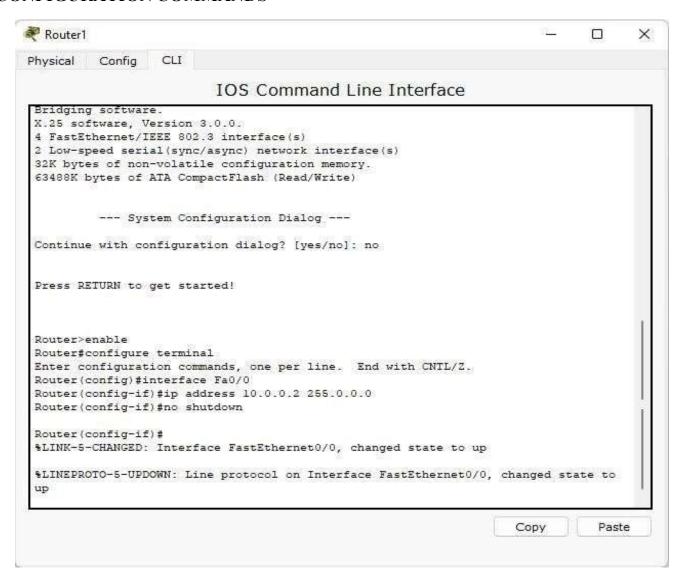
# 1BM21CS271

Create a topology consisting of 2 or more devices connected with the help of a router.

# **TOPOLOGY-1**



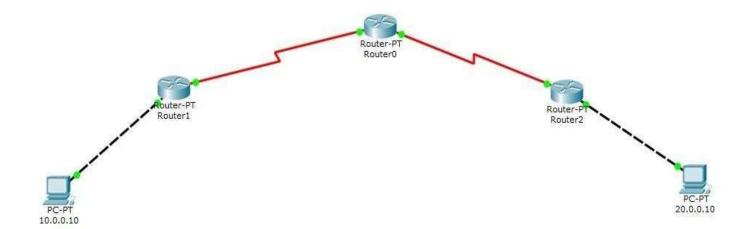
### **CONFIGURATION COMMANDS**



#### **PING COMMANDS**

```
Command Prompt
                                                                              X
PC>ping 20.0.0.2
Pinging 20.0.0.2 with 32 bytes of data:
Request timed out.
Reply from 20.0.0.2: bytes=32 time=0ms TTL=127
Reply from 20.0.0.2: bytes=32 time=0ms TTL=127
Reply from 20.0.0.2: bytes=32 time=0ms TTL=127
Ping statistics for 20.0.0.2:
   Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
PC>ping 20.0.0.2
Pinging 20.0.0.2 with 32 bytes of data:
Reply from 20.0.0.2: bytes=32 time=0ms TTL=127
Ping statistics for 20.0.0.2:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
PC>
```

### **TOPOLOGY-2**



## **COMMAND LINE COMMANDS**

## **ROUTER-0**

--- System Configuration Dialog ---

Continue with configuration dialog? [yes/no]: no

Press RETURN to get started!

Router>enable

Router#configure terminal

Enter configuration commands, one per line. End with CNTL/Z.

Router(config)#interface Se2/0

Router(config-if)#

Router(config-if) #ip address 30.0.0.2 255.0.0.0

Router(config-if) #no shutdown

Router(config-if)#

%LINK-5-CHANGED: Interface Serial2/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

Router(config-if) #exit

Router(config)#interface Se3/0

Router(config-if) #ip address 40.0.0.2 255.0.0.0

Router(config-if) #no shutdown

Router(config-if)#

%LINK-5-CHANGED: Interface Serial3/0, changed state to up

exit

Router(config)#

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up

Router con0 is now available

Press RETURN to get started.

#### **ROUTER-1**

Press RETURN to get started.

```
Continue with configuration dialog? [yes/no]: no
Press RETURN to get started!
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/2.
Router(config)#interface Fa0/0
Router(config-if) #10.0.0.1 255.0.0.0
% Invalid input detected at 'a' marker.
Router(config-if) #ip address 10.0.0.1 255.0.0.0
Router(config-if) #no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
Router(config-if) #exit
Router(config) #interface Se2/0
Router(config-if) #ip address 30.0.0.1 255.0.0.0
Router(config-if) #no shutdown
%LINK-5-CHANGED: Interface Serial2/0, changed state to down
Router(config-if) #exit
Router(config)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up
Router con0 is now available
```

#### **ROUTER-2**

Continue with configuration dialog? [yes/no]: no Press RETURN to get started! Router>enable Router#configure terminal Enter configuration commands, one per line. End with CNTL/2. Router(config) #interface Fa0/0 Router(config-if) #ip address 20.0.0.1 255.0.0.0 Router(config-if) #no shutdown Router(config-if)# %LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up Router(config-if) #exit Router(config) #interface 40.0.0.1 255.0.0.0 % Invalid input detected at 'a' marker. Router(config)#interface Se3/0 Router(config-if) #ip address 40.0.0.1 255.0.0.0 Router(config-if) #no shutdown %LINK-5-CHANGED: Interface Serial3/0, changed state to down Router(config-if) #exit Router(config)# %LINK-5-CHANGED: Interface Serial3/0, changed state to up %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up Router con0 is now available Press RETURN to get started.

## Command Prompt

```
Packet Tracer PC Command Line 1.0
PC>ping 20.0.0.10
Pinging 20.0.0.10 with 32 bytes of data:
Reply from 10.0.0.1: Destination host unreachable. Reply from 10.0.0.1: Destination host unreachable.
Request timed out.
Reply from 10.0.0.1: Destination host unreachable.
Ping statistics for 20.0.0.10:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
PC>ping 40.0.0.1
Pinging 40.0.0.1 with 32 bytes of data:
Reply from 10.0.0.1: Destination host unreachable.
Reply from 10.0.0.1: Destination host unreachable. Reply from 10.0.0.1: Destination host unreachable.
Reply from 10.0.0.1: Destination host unreachable.
Ping statistics for 40.0.0.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
PC>30.0.0.1
Invalid Command.
PC>ping 30.0.0.1
Pinging 30.0.0.1 with 32 bytes of data:
Reply from 30.0.0.1: bytes=32 time=0ms TTL=255
Ping statistics for 30.0.0.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
PC>ping 30.0.0.2
Pinging 30.0.0.2 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
```