

# 18CSS202J Computer Communications

## Excr 3: Configuration of Network elements

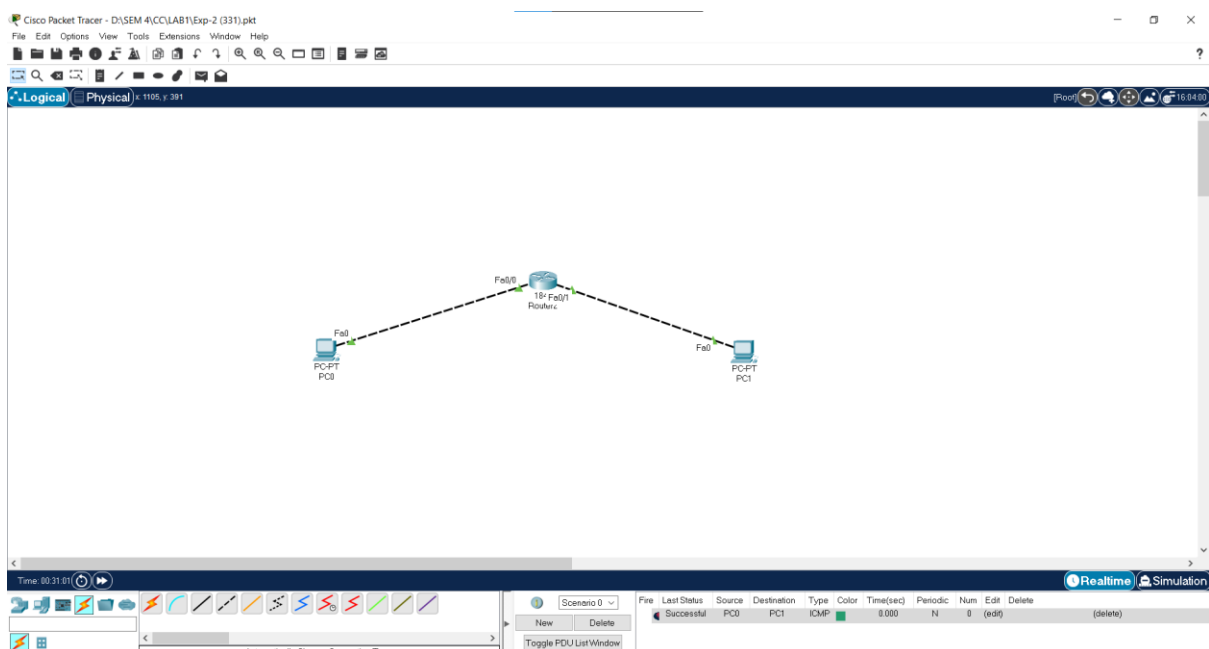
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Class :-CSE F1

### Output:-

Router Configuration:



CLI Command used:

Router2

Physical Config CLI Attributes

IOS Command Line Interface

```
Router#enable
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#hostname freedom
freedom(config)#enable secret class
freedom(config)#line con 0
freedom(config-line)#password eco
freedom(config-line)#login
freedom(config-line)#exit
freedom(config)#line vty 0 4
freedom(config-line)#password eco
freedom(config-line)#login
freedom(config-line)#exit
freedom(config)#interface FastEthernet0/0
freedom(config-if)#ip address 192.168.0.1 255.255.255.0
freedom(config-if)#description freedom FastEthernet0/0
freedom(config-if)#no shutdown

freedom(config-if)#
%LINE-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

freedom(config-if)#exit
freedom(config)#interface FastEthernet0/1
freedom(config-if)#ip address 192.168.0.1 255.255.255.0
freedom(config-if)#description freedom FastEthernet0/1
freedom(config-if)#no shutdown

freedom(config-if)#
%LINE-5-CHANGED: Interface FastEthernet0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

freedom(config-if)#exit
freedom(config)#exit
freedom#
SYS-5-CONFIG_1: Configured from console by console

freedom#show running-config
```

[illegible]

Router2

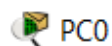
Physical Config CLI Attributes

IOS Command Line Interface

```
>
>
>
interface FastEthernet0/0
description freedom FastEthernet0/0
ip address 192.168.1.1 255.255.255.0
duplex auto
speed auto
!
interface FastEthernet0/1
description freedom FastEthernet0/1
ip address 192.168.2.1 255.255.255.0
duplex auto
speed auto
!
interface Vlan1
no ip address
shutdown
!
ip classless
!
ip flow-export version 9
!
!
!
!
!
!
line con 0
password eco
login
!
line aux 0
!
line vty 0 4
password eco
login
!
!
end

freedom#copy running-config startup-config
Destination filename [startup-config]?
Building configuration...
[OK]
freedom#
```

Connectivity:



```
Physical  Config  Desktop  Programming  Attributes

Command Prompt

Packet Tracer PC Command Line 1.0
C:\>ipconfig

FastEthernet0 Connection:(default port)

    Connection-specific DNS Suffix...:
    Link-local IPv6 Address.....: FE80::200:CFF:FE97:532C
    IPv6 Address.....: ::
    IPv4 Address.....: 192.168.1.2
    Subnet Mask.....: 255.255.255.0
    Default Gateway.....: ::
                        192.168.1.1

Bluetooth Connection:

    Connection-specific DNS Suffix...:
    Link-local IPv6 Address.....: ::
    IPv6 Address.....: ::
    IPv4 Address.....: 0.0.0.0
    Subnet Mask.....: 0.0.0.0
    Default Gateway.....: ::
                        0.0.0.0

C:\>ping 192.168.2.2

Pinging 192.168.2.2 with 32 bytes of data:

Request timed out.
Reply from 192.168.2.2: bytes=32 time<1ms TTL=127
Reply from 192.168.2.2: bytes=32 time<1ms TTL=127
Reply from 192.168.2.2: bytes=32 time<1ms TTL=127

Ping statistics for 192.168.2.2:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
```