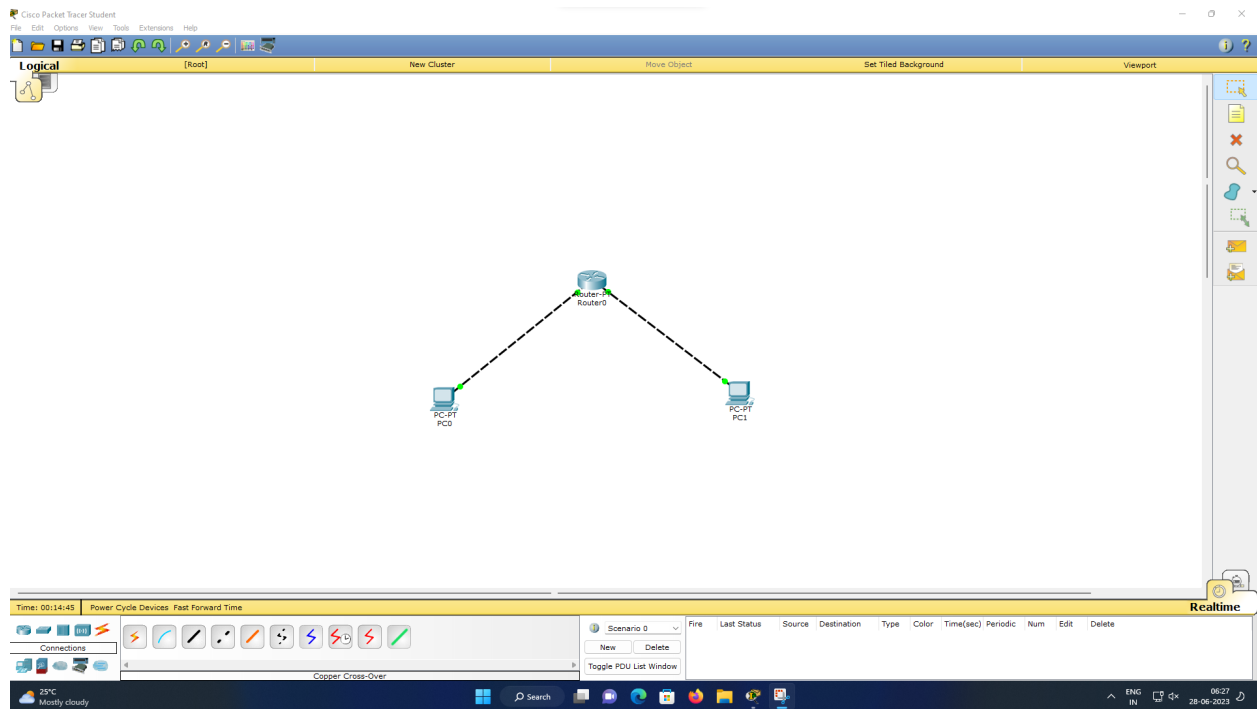
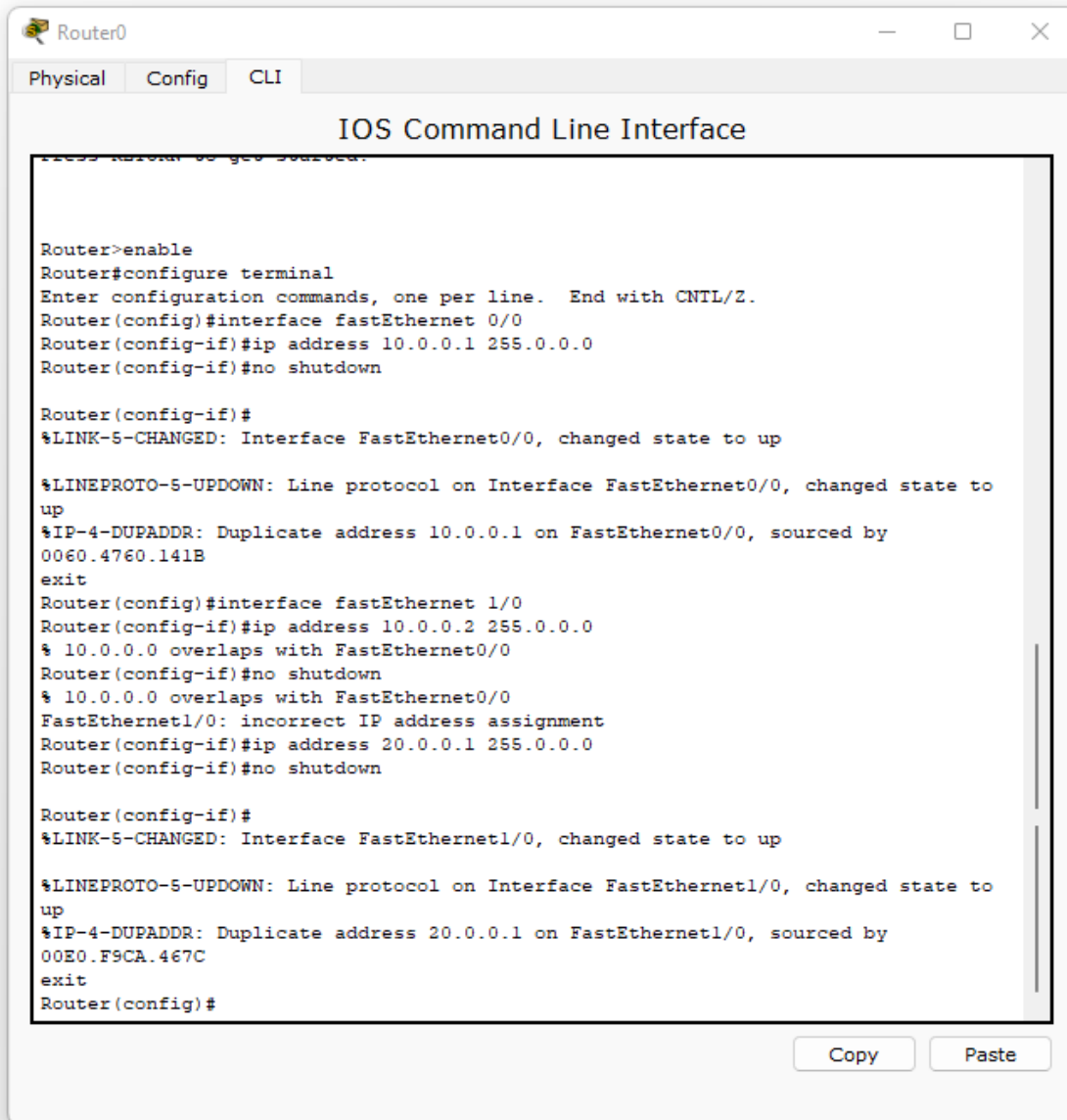


# CN LAB WEEK 2

## Topology:-



## CLI:-



The screenshot shows a window titled "Router0" with three tabs: "Physical", "Config", and "CLI". The "CLI" tab is active, displaying the "IOS Command Line Interface". The terminal text is as follows:

```
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface fastEthernet 0/0
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

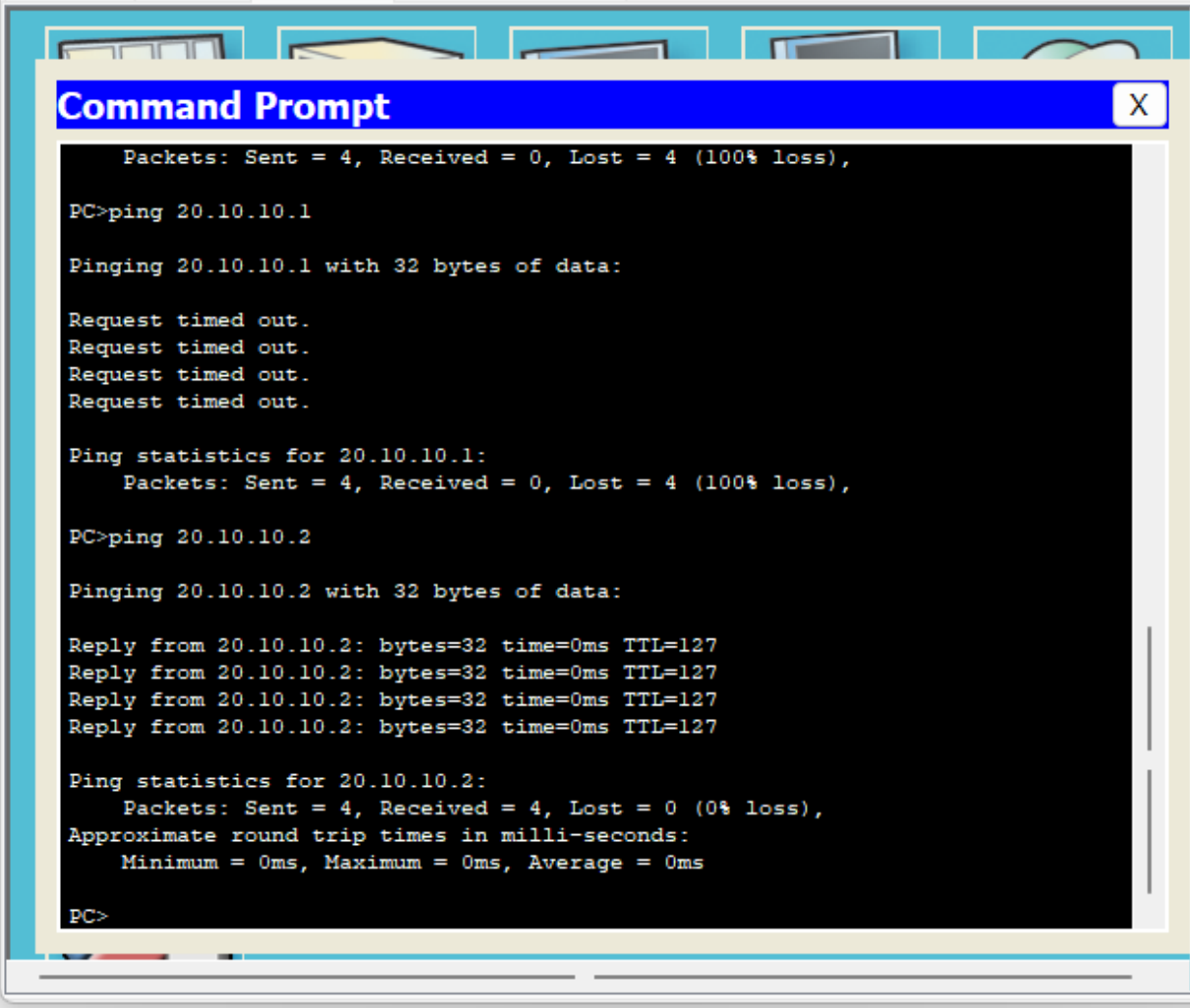
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
%IP-4-DUPADDR: Duplicate address 10.0.0.1 on FastEthernet0/0, sourced by 0060.4760.141B
exit
Router(config)#interface fastEthernet 1/0
Router(config-if)#ip address 10.0.0.2 255.0.0.0
% 10.0.0.0 overlaps with FastEthernet0/0
Router(config-if)#no shutdown
% 10.0.0.0 overlaps with FastEthernet0/0
FastEthernet1/0: incorrect IP address assignment
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 FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0, changed state to up
%IP-4-DUPADDR: Duplicate address 20.0.0.1 on FastEthernet1/0, sourced by 00E0.F9CA.467C
exit
Router(config)#
```

At the bottom right of the CLI window, there are two buttons: "Copy" and "Paste".

CMD:-



The image shows a Windows Command Prompt window titled "Command Prompt" with a standard blue title bar and window controls. The background is black, and the text is white. The window contains the output of two ping commands. The first command, "PC>ping 20.10.10.1", shows a 100% packet loss. The second command, "PC>ping 20.10.10.2", shows 0% packet loss and 0ms round-trip times. The window has a taskbar at the bottom with several icons visible.

```
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

PC>ping 20.10.10.1

Pinging 20.10.10.1 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 20.10.10.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

PC>ping 20.10.10.2

Pinging 20.10.10.2 with 32 bytes of data:

Reply from 20.10.10.2: bytes=32 time=0ms TTL=127
Reply from 20.10.10.2: bytes=32 time=0ms TTL=127
Reply from 20.10.10.2: bytes=32 time=0ms TTL=127
Reply from 20.10.10.2: bytes=32 time=0ms TTL=127

Ping statistics for 20.10.10.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

PC>
```

## SIMULATION:-

Cisco Packet Tracer Student

File Edit Options View Tools Extensions Help

Logical [Root] New Cluster Move Object Set Tiled Background Viewport

Router0

PC0

PC1

Simulation Panel

Event List

Vis.	Time(sec)	Last Device	At Device	Type	Info
0.000	--	PC0	Router0	ICMP	
0.001	PC0	Router0	ICMP		
0.001	--	PC0	Router0	ICMP	
0.002	PC0	Router0	ICMP		
0.002	Router0	PC1	ICMP		
0.003	Router0	PC1	ICMP		
0.003	PC1	Router0	ICMP		
0.004	PC1	Router0	ICMP		
0.004	Router0	PC0	ICMP		

Reset Simulation Constant Delay Captured to 0.004s

Play Controls

Back Auto Capture / Play Capture / Forward

Event List Filters - Visible Events

AQ, Filter, ARP, BGP, CD, DHCPv6, DNS, DTP, EIGRP, EIGRPv6, FTP, H.323, HSRP, HSRPv6, HTTP, HTTPS, ICMP, ICMPv6, IPsec, IS-IS, LACP, NTP, NETFLOW, NTP, OSPF, OSPFv6, PAgP, PAgPv6, RADIUS, RDP, SNMP, STP, STPv6, SSH, SSHv6, SYSLOG, TACACS, TFTP, TFTPv6, Telnet, UDP, VTP

Edit Filters Show All/None

Time: 00:50:14.811 Power Cycle Devices PLAY CONTROLS: Back Auto Capture / Play Capture / Forward

Connections

Scenario 0

New Delete

Toggle PDU List Window

Fire

Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
Successful	PC0	PC1	ICMP		0.000	N	0	(edit)	(delete)
In Progress	PC0	PC1	ICMP		0.000	N	1	(edit)	(delete)

Copper Cross-Over

Simulation