

Name : Bhagwati Prasad / Course : MCA 2B
ID : 20711112

Qn1.

Name - Bhagwati Prasad
ID - 20711112

Class - MCA 2B
Subject - Computer Network.

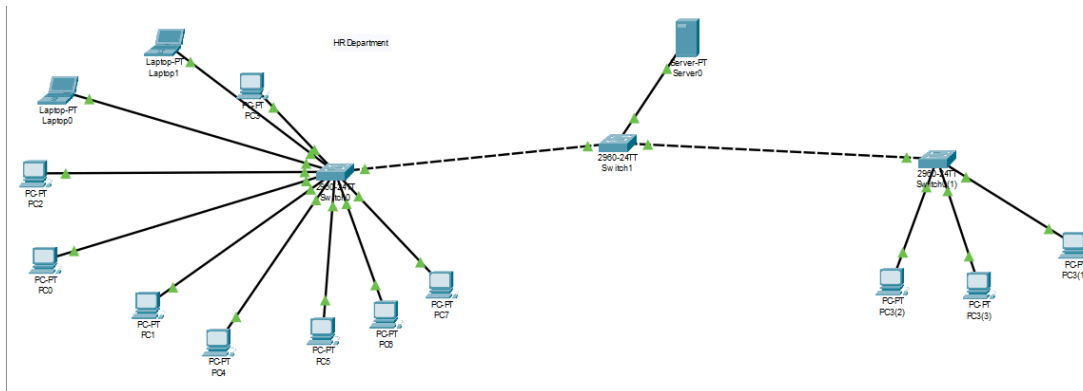
Q N-1 - : Problem statement - : There is an organisation A with multiple departments. Design a network for the HR Department and the size of the Department is 10 users. Also show the communication between User no. 5 and user No. 1 of the network.

Objective - : Understanding of LAN Network

Description - : How to add connections between different computer and other devices in the same network.

Steps - :

Name : Bhagwati Prasad / Course : MCA 2B
ID : 20711112



```
Packet Tracer PC Command Line 1.0
C:\>ping 172.150.1.1

Pinging 172.150.1.1 with 32 bytes of data:

Reply from 172.150.1.1: bytes=32 time=19ms TTL=128
Reply from 172.150.1.1: bytes=32 time=16ms TTL=128
Reply from 172.150.1.1: bytes=32 time=15ms TTL=128
Reply from 172.150.1.1: bytes=32 time=1ms TTL=128

Ping statistics for 172.150.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 19ms, Average = 12ms

C:\>
```

Name : Bhagwati Prasad / Course : MCA 2B
ID : 20711112

PC3

Physical Config **Desktop** Programming Attributes

IP Configuration X

Interface FastEthernet0

IP Configuration

☒ DHCP ☐ Static

IP Address 10.0.0.11

Subnet Mask 255.0.0.0

Default Gateway 10.0.0.1

DNS Server 0.0.0.0

IPv6 Configuration

☐ DHCP ☐ Auto Config ☒ Static

IPv6 Address /

Link Local Address FE80::20A:F3FF:FE91:E9A6

IPv6 Gateway

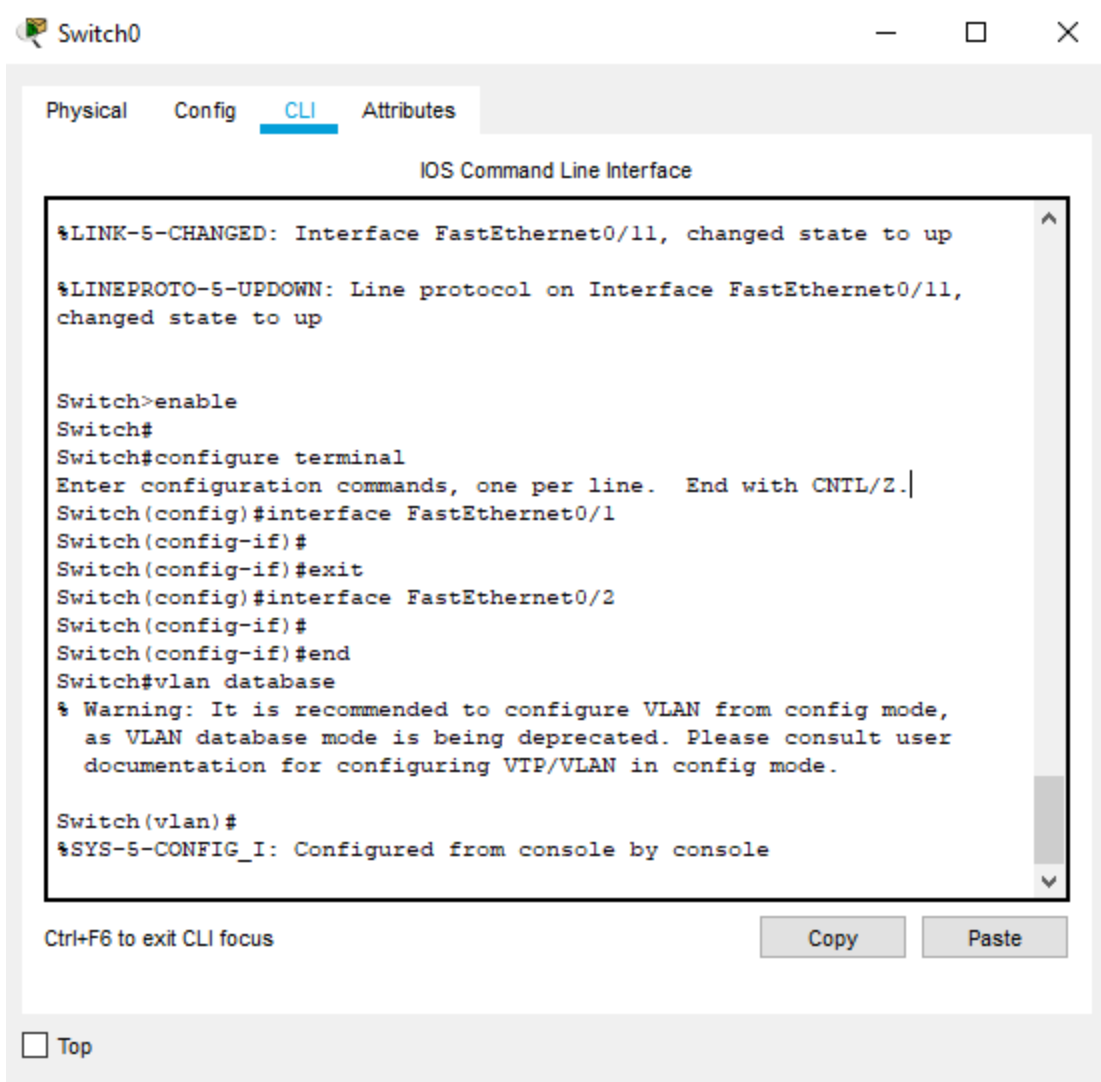
IPv6 DNS Server

802.1X

☐ Use 802.1X Security

☐ Top

Name : Bhagwati Prasad / Course : MCA 2B
ID : 20711112



The screenshot shows a window titled "Switch0" with a tabbed interface. The "CLI" tab is selected, displaying the "IOS Command Line Interface". The interface shows a series of status messages and configuration commands entered at a switch prompt. The status messages indicate that interfaces FastEthernet0/11 and FastEthernet0/2 have changed state to up. The configuration commands include enabling the switch, configuring the terminal, and setting up VLANs 1 and 2. A warning message is displayed about the deprecation of VLAN database mode. The interface also includes a "Copy" button, a "Paste" button, and a "Top" button.

```
%LINK-5-CHANGED: Interface FastEthernet0/11, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/11,
changed state to up

Switch>enable
Switch#
Switch#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#interface FastEthernet0/1
Switch(config-if)#
Switch(config-if)#exit
Switch(config)#interface FastEthernet0/2
Switch(config-if)#
Switch(config-if)#end
Switch#vlan database
% Warning: It is recommended to configure VLAN from config mode,
as VLAN database mode is being deprecated. Please consult user
documentation for configuring VTP/VLAN in config mode.

Switch(vlan)#
%SYS-5-CONFIG_I: Configured from console by console
```

Ctrl+F6 to exit CLI focus

Copy Paste

☐ Top