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

Qn1.

Name - Bhagwati Prasad          Class - MCA 2B
  ID - 20711112                 Subject -  Computer Network.
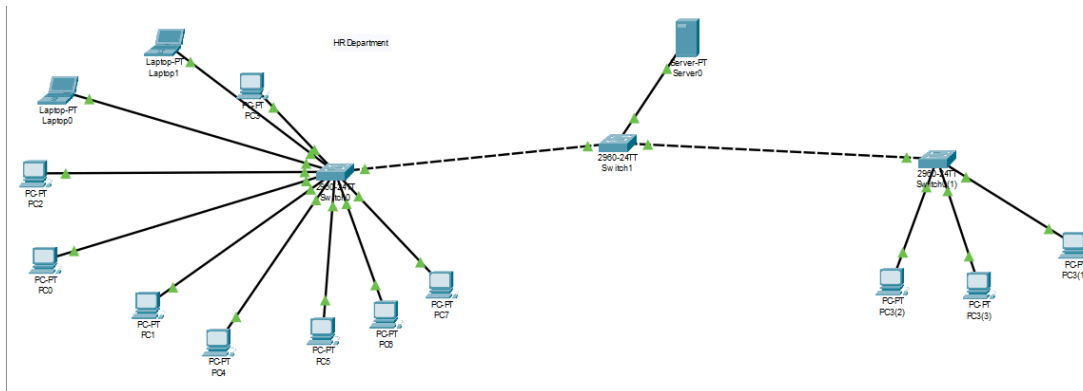
QN.1-: Problem statement -: There is an organisation
A with multiple departments. Design a
network for the HR Department and
the size of the Department is 10 users.
Also show the communication between
User no. 5 and user No. 1 of the network.

OBJective -: Understanding of LAN Network

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

Steps -:

```
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:\>
```

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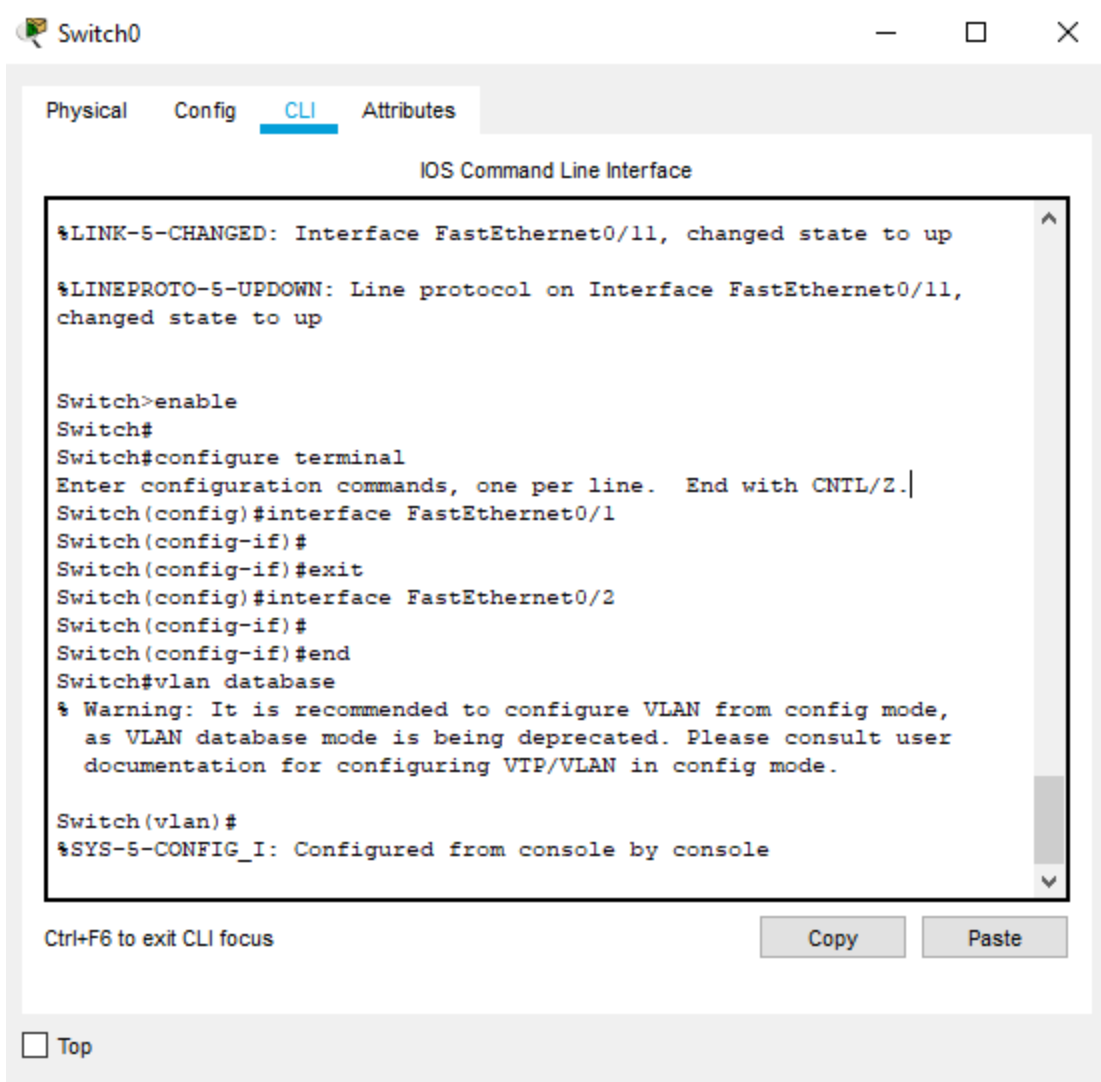
Link Local Address      FE80::20A:F3FF:FE91:E9A6

IPv6 Gateway

IPv6 DNS Server

802.1X

☐ Use 802.1X Security

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Switch0                                                            —    □    ✕

Physical    Config    CLI    Attributes

IOS Command Line Interface

%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

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