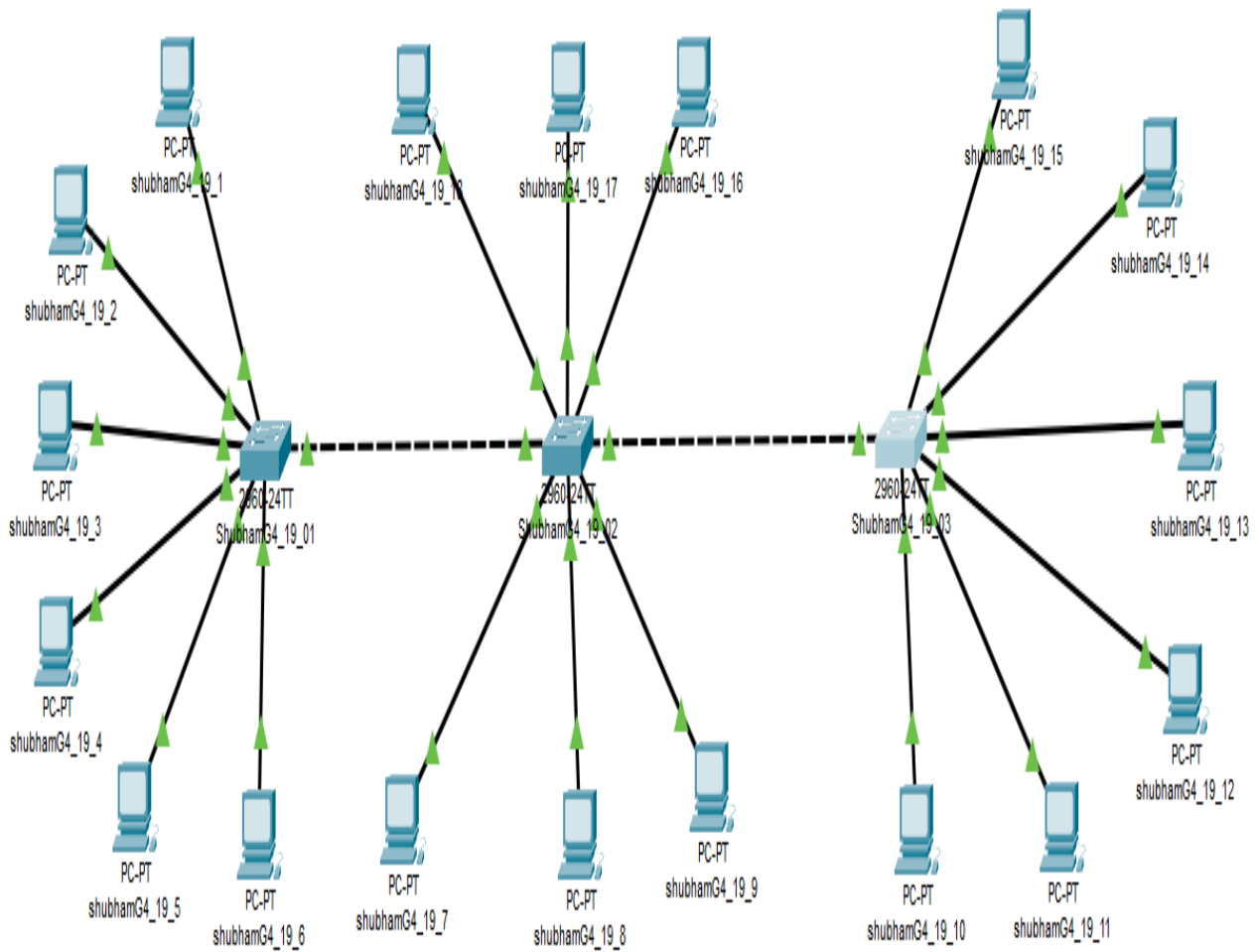


1. Make a Network of 3 switch and 6 subnet and each subnet have 3 devices:



2.Set Ip Address To all Devices:-

IP Configuration

X

InterfaceFastEthernet0

IP Configuration

☐ DHCP

☒ Static

IPv4 Address

151.120.2.1

Subnet Mask

255.255.254.0

Default Gateway

0.0.0.0

DNS Server

0.0.0.0

IPv6 Configuration

☐ Automatic

☒ Static

IPv6 Address

/

Link Local Address

FE80::2D0:97FF:FE4E:E4D4

Default Gateway

DNS Server

802.1X

☐ Use 802.1X Security

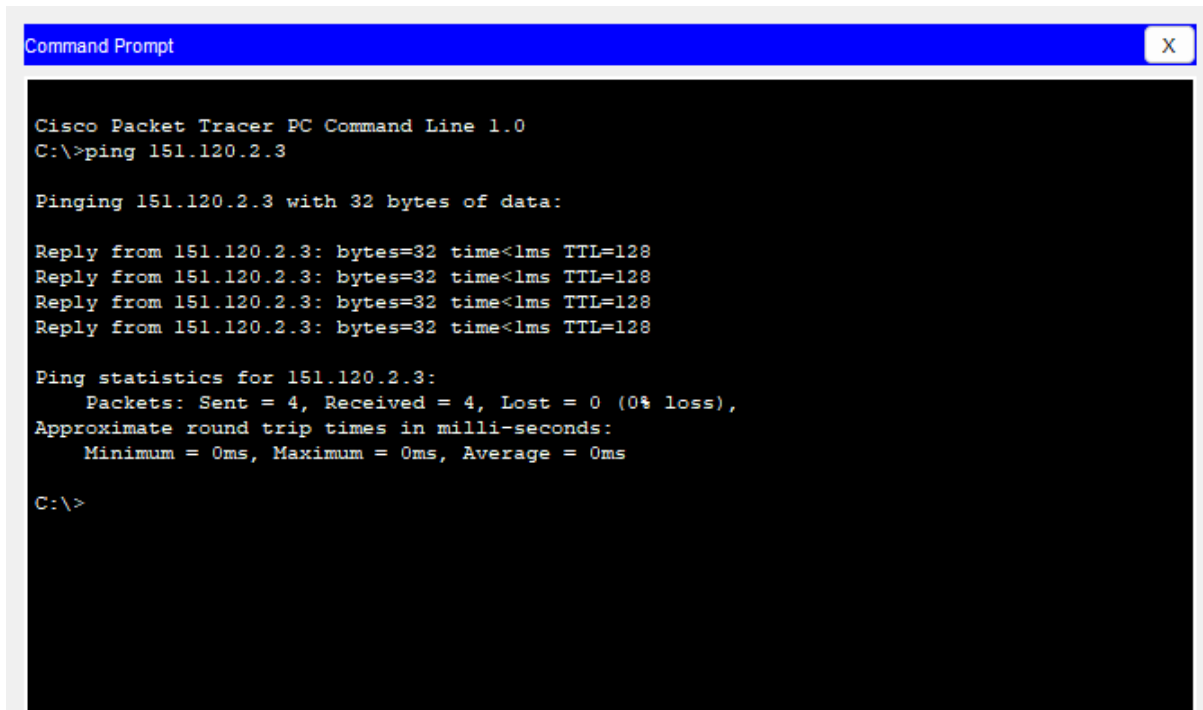
Authentication

MD5

Username

Password

3.check Connectivity using Command “ping”:-



```
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 151.120.2.3

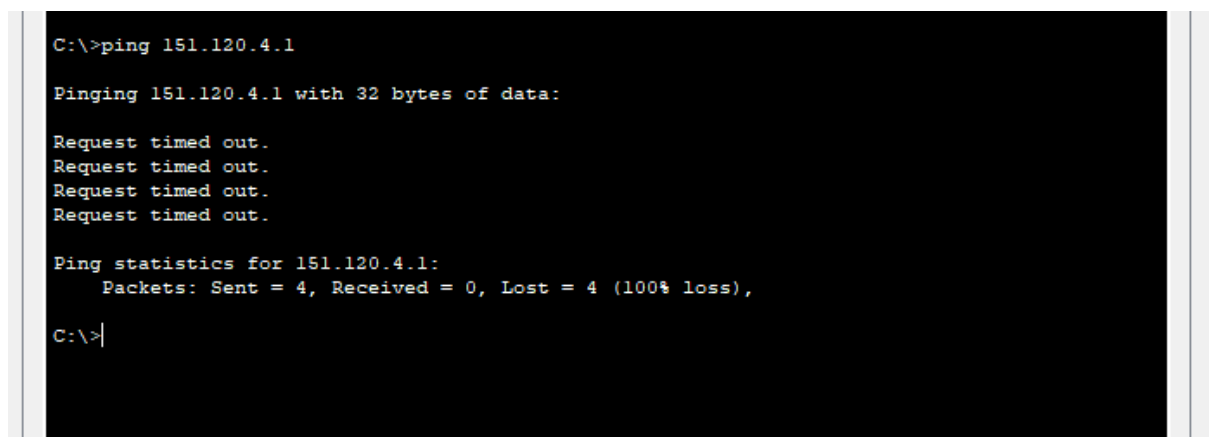
Pinging 151.120.2.3 with 32 bytes of data:

Reply from 151.120.2.3: bytes=32 time<1ms TTL=128
Reply from 151.120.2.3: bytes=32 time<1ms TTL=128
Reply from 151.120.2.3: bytes=32 time<1ms TTL=128
Reply from 151.120.2.3: bytes=32 time<1ms TTL=128

Ping statistics for 151.120.2.3:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

4.checking communication between two different subnetwork:-



```
C:\>ping 151.120.4.1

Pinging 151.120.4.1 with 32 bytes of data:

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

Ping statistics for 151.120.4.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>|
```