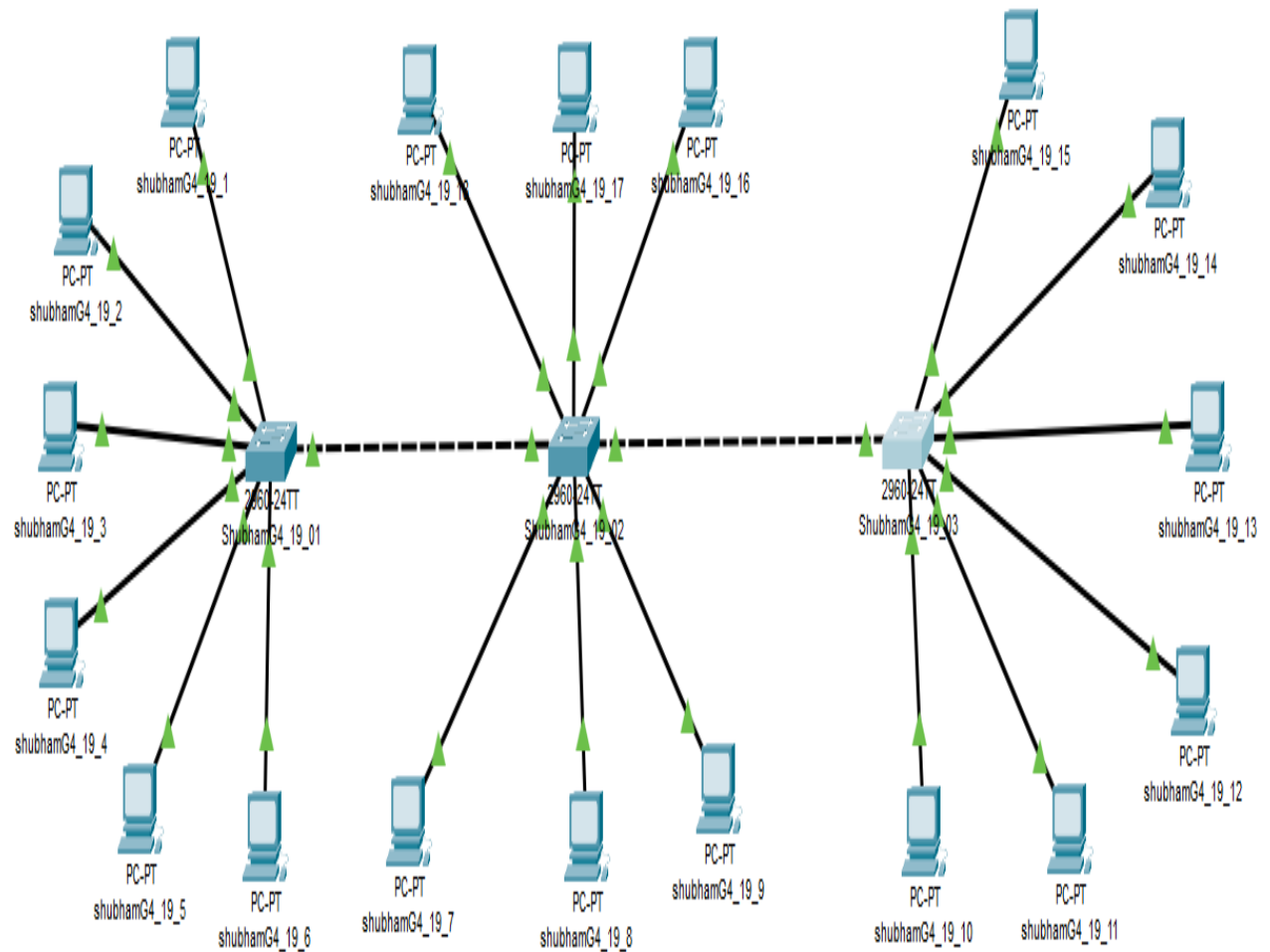
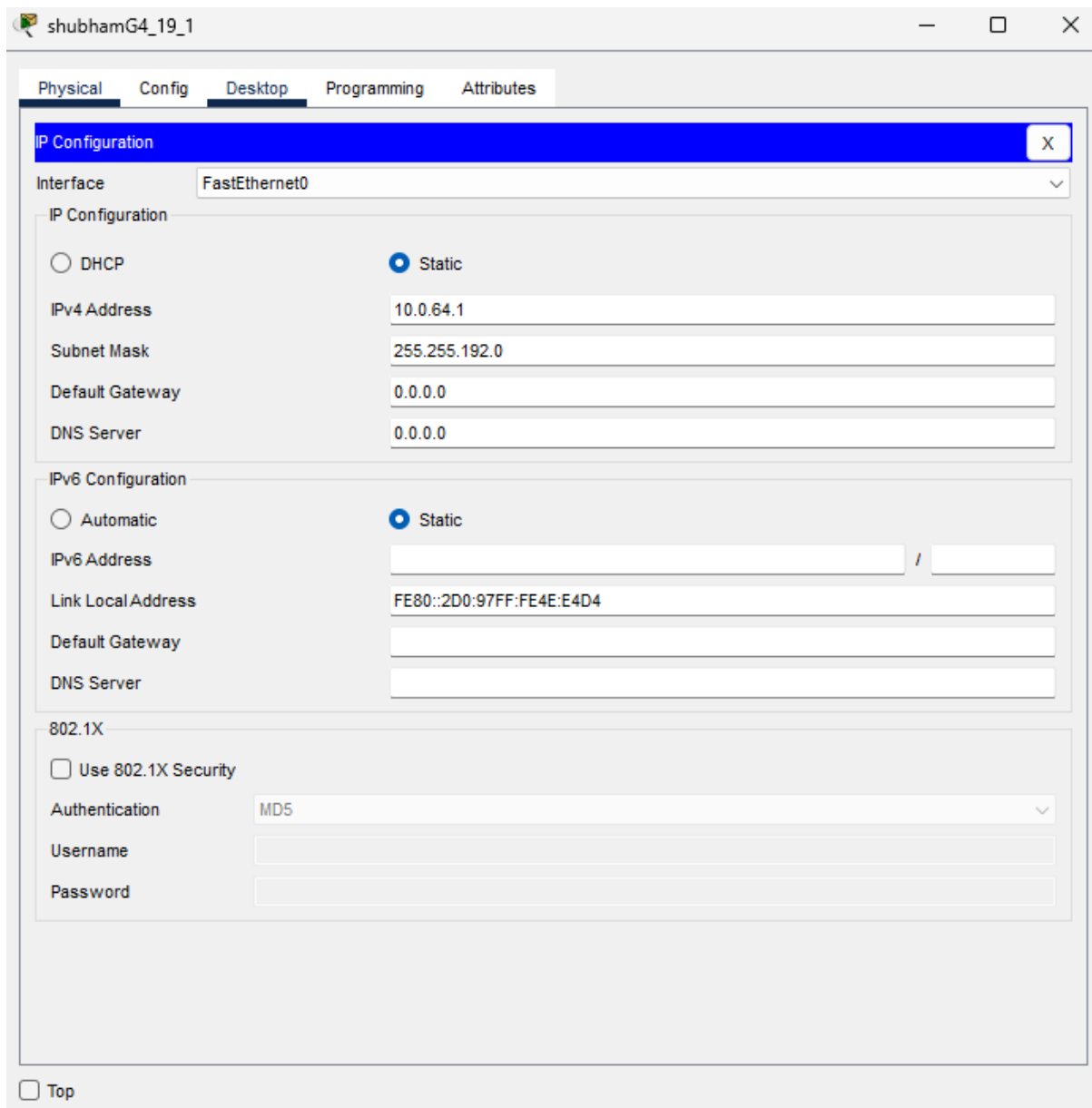


1. Make a Network of 3 switch and 6 subnet and each subnet have 3 devices:



2.Set Ip Address To all Devices:-

The screenshot shows a network configuration window titled "shubhamG4_19_1". The window has tabs for "Physical", "Config", "Desktop", "Programming", and "Attributes". The "Config" tab is active, and the "IP Configuration" section is expanded. The "Interface" dropdown is set to "FastEthernet0".

IP Configuration

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 10.0.64.1

Subnet Mask: 255.255.192.0

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

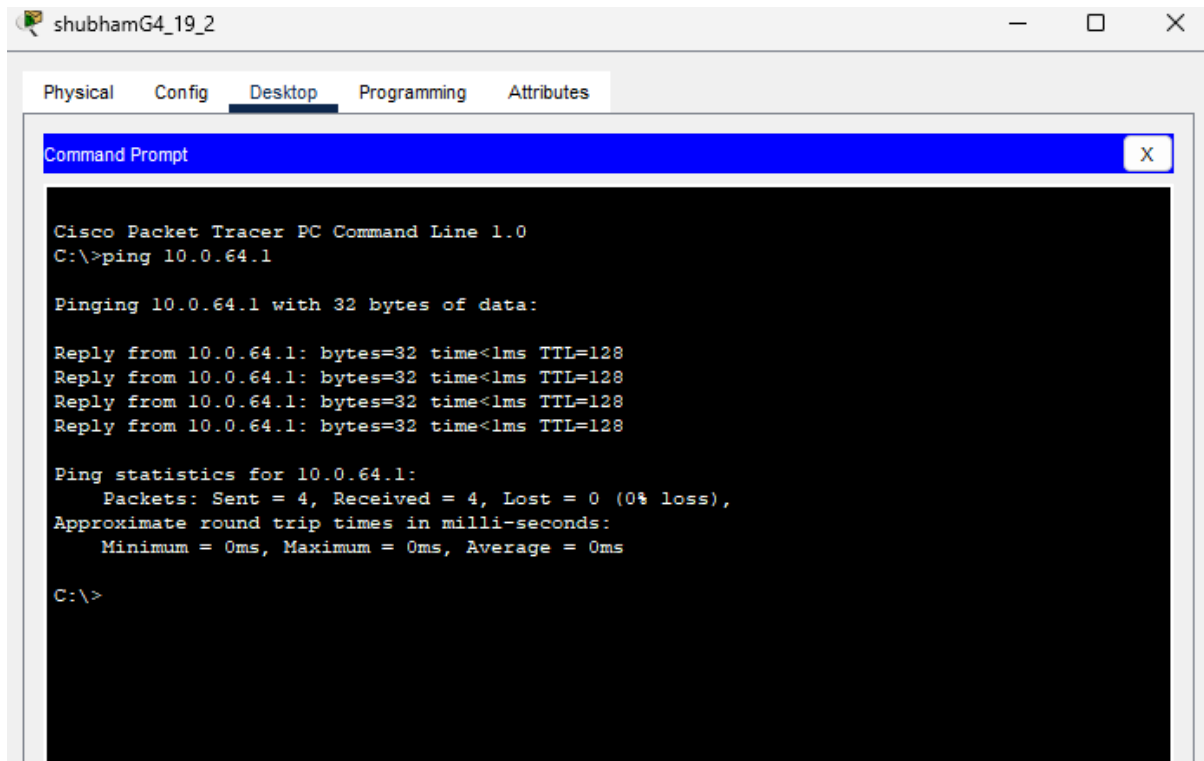
Authentication: MD5

Username:

Password:

☐ Top

3.check Connectivity using Command “ping”:-



The screenshot shows a Cisco Packet Tracer PC Command Line window titled "shubhamG4_19_2". The window has tabs for Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is active, displaying a Command Prompt window. The Command Prompt shows the following text:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 10.0.64.1

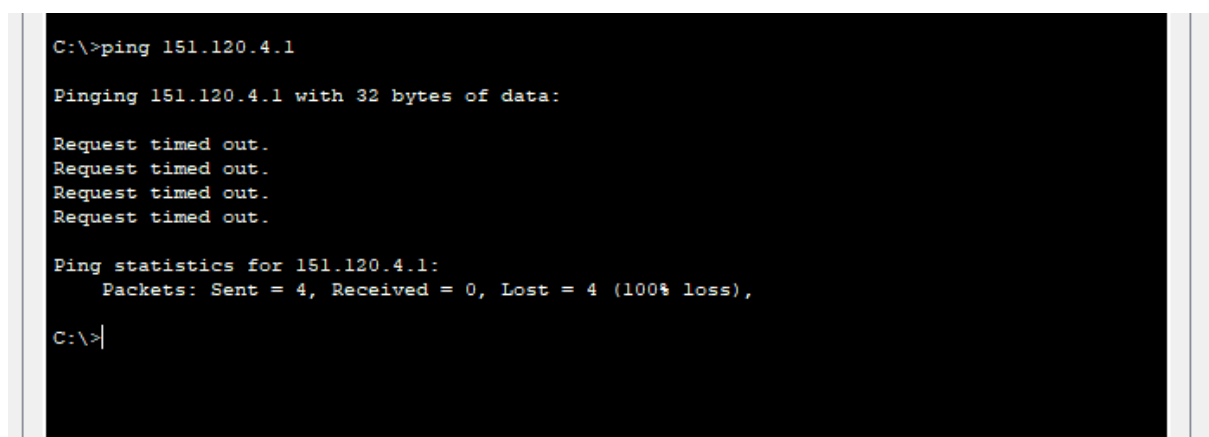
Pinging 10.0.64.1 with 32 bytes of data:

Reply from 10.0.64.1: bytes=32 time<1ms TTL=128
Reply from 10.0.64.1: bytes=32 time<1ms TTL=128
Reply from 10.0.64.1: bytes=32 time<1ms TTL=128
Reply from 10.0.64.1: bytes=32 time<1ms TTL=128

Ping statistics for 10.0.64.1:
    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:-



The screenshot shows a Cisco Packet Tracer PC Command Line window with the following text:

```
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:\>
```