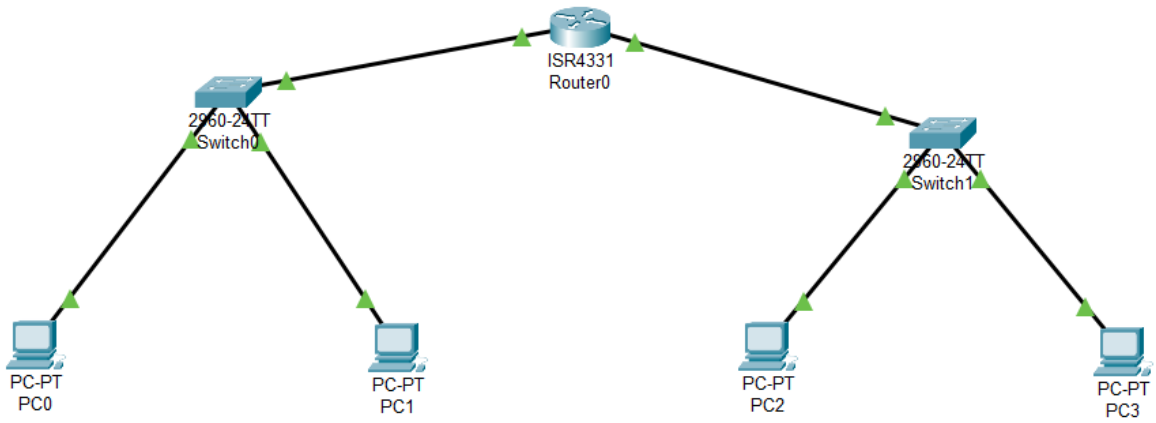
CSE 3003

Lab Assignment-4

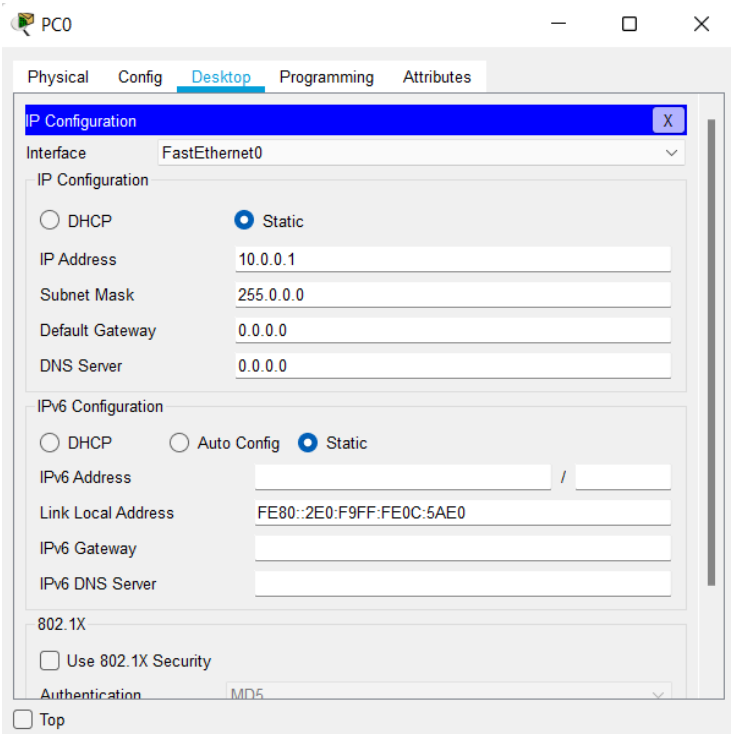
NAME:M.JASWANTH

REGNO:20BCD7171

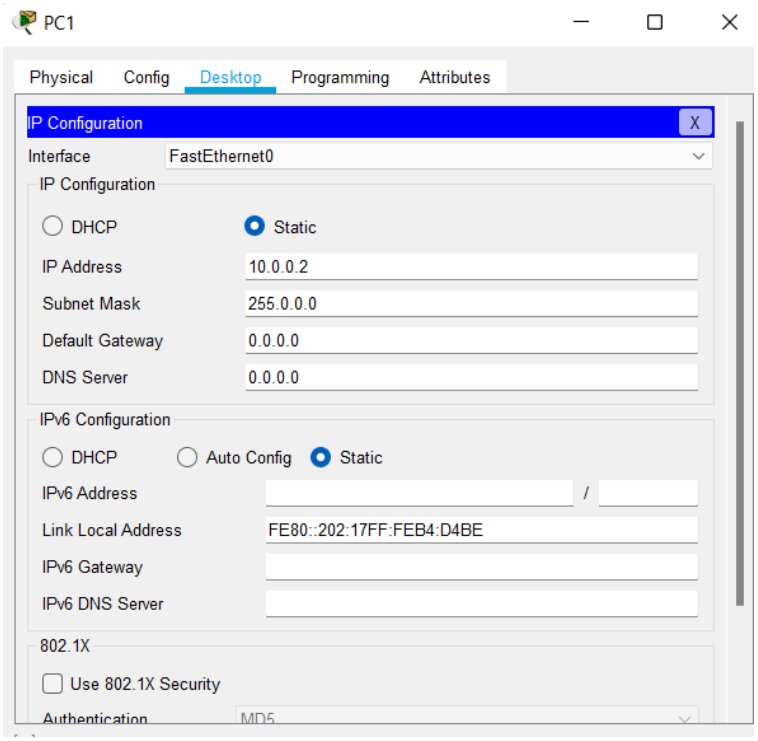
TOPOLOGY:



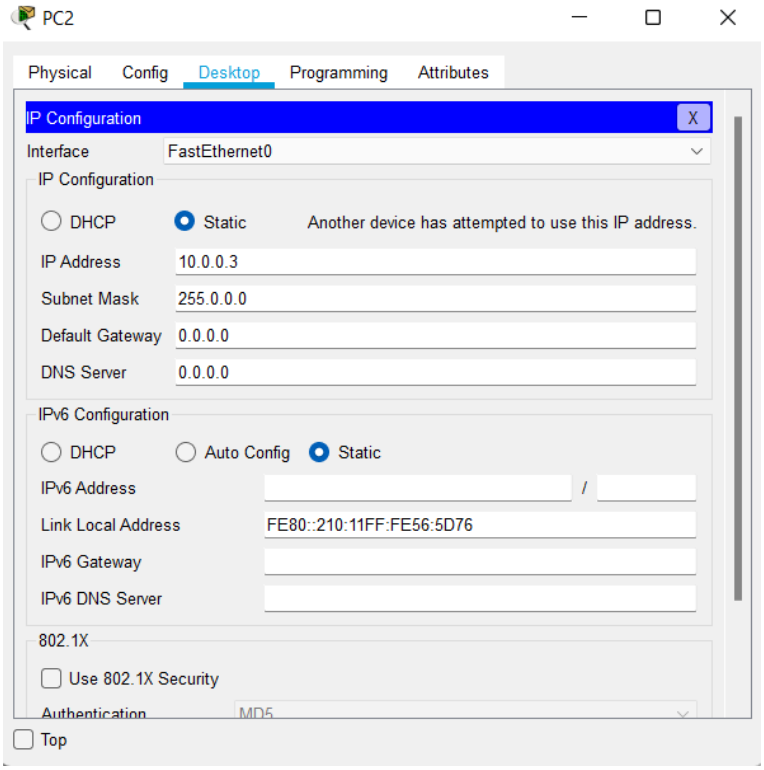
IP ADDRESS OF PC0



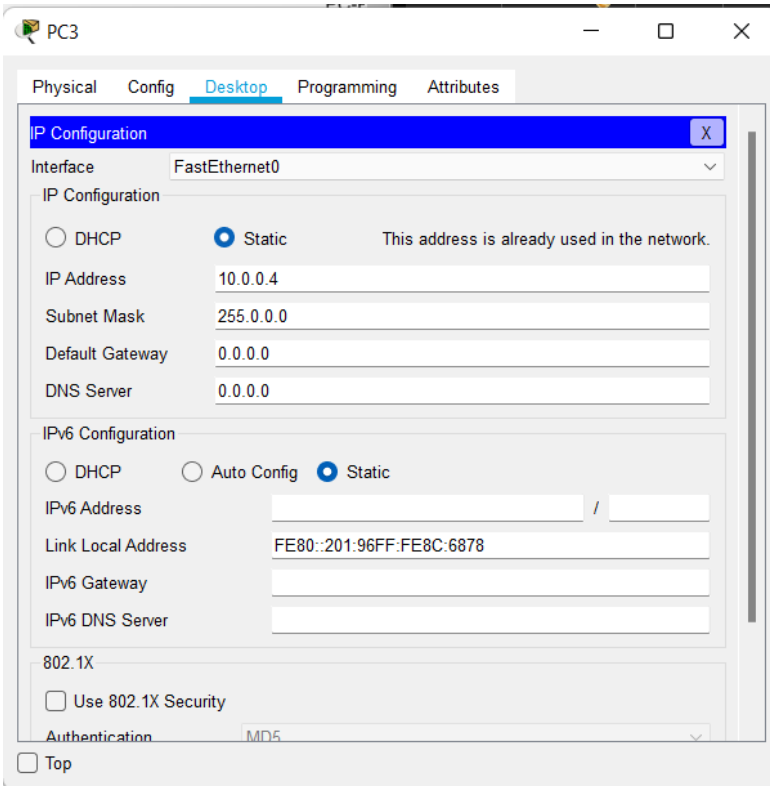
IP ADDRESS OF PC1



IP ADDRESS OF PC2



IP ADDRESS OF PC3



CLI COMMANDS IN ROUTER:

IOS Command Line Interface

```
cisco ISR4331/K9 (1RU) processor with 1795999K/6147K bytes of memory.
Processor board ID FLM232010G0
3 Gigabit Ethernet interfaces
32768K bytes of non-volatile configuration memory.
4194304K bytes of physical memory.
3207167K bytes of flash memory at bootflash:.
0K bytes of WebUI ODM Files at webui:.



         --- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]: no


Press RETURN to get started!



Router>enable
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#interface GigabitEthernet0/0/0
Router(config-if)#ip address 10.0.0.3 255.0.0.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0/0, changed state to up

Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0/1
Router(config-if)#ip address 192.0.0.3 255.255.255.0
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0/1, changed state to up

Router(config-if)#exit
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
```

Ping in pc0

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 10.0.0.2

Pinging 10.0.0.2 with 32 bytes of data:

Reply from 10.0.0.2: bytes=32 time=2ms TTL=128
Reply from 10.0.0.2: bytes=32 time<1ms TTL=128
Reply from 10.0.0.2: bytes=32 time<1ms TTL=128
Reply from 10.0.0.2: bytes=32 time=14ms TTL=128

Ping statistics for 10.0.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 14ms, Average = 4ms

C:\>ping 192.0.0.1

Pinging 192.0.0.1 with 32 bytes of data:

Request timed out.
Reply from 192.0.0.1: bytes=32 time<1ms TTL=127
Reply from 192.0.0.1: bytes=32 time<1ms TTL=127
Reply from 192.0.0.1: bytes=32 time=2ms TTL=127

Ping statistics for 192.0.0.1:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 2ms, Average = 0ms

C:\>ping 192.0.0.1

Pinging 192.0.0.1 with 32 bytes of data:

Reply from 192.0.0.1: bytes=32 time<1ms TTL=127
Reply from 192.0.0.1: bytes=32 time<1ms TTL=127
Reply from 192.0.0.1: bytes=32 time<1ms TTL=127
Reply from 192.0.0.1: bytes=32 time=19ms TTL=127

Ping statistics for 192.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 19ms, Average = 4ms
```

```
C:\>ping 192.0.0.2

Pinging 192.0.0.2 with 32 bytes of data:

Request timed out.
Reply from 192.0.0.2: bytes=32 time<1ms TTL=127
Reply from 192.0.0.2: bytes=32 time<1ms TTL=127
Reply from 192.0.0.2: bytes=32 time<1ms TTL=127

Ping statistics for 192.0.0.2:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.0.0.2

Pinging 192.0.0.2 with 32 bytes of data:

Reply from 192.0.0.2: bytes=32 time=14ms TTL=127
Reply from 192.0.0.2: bytes=32 time<1ms TTL=127
Reply from 192.0.0.2: bytes=32 time<1ms TTL=127
Reply from 192.0.0.2: bytes=32 time<1ms TTL=127

Ping statistics for 192.0.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 14ms, Average = 3ms
```

PING IN PC2:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.0.0.2

Pinging 192.0.0.2 with 32 bytes of data:

Reply from 192.0.0.2: bytes=32 time<1ms TTL=128
Reply from 192.0.0.2: bytes=32 time<1ms TTL=128
Reply from 192.0.0.2: bytes=32 time<1ms TTL=128
Reply from 192.0.0.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.0.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 10.0.0.1

Pinging 10.0.0.1 with 32 bytes of data:

Reply from 10.0.0.1: bytes=32 time<1ms TTL=127
Reply from 10.0.0.1: bytes=32 time<1ms TTL=127
Reply from 10.0.0.1: bytes=32 time<1ms TTL=127
Reply from 10.0.0.1: bytes=32 time<1ms TTL=127

Ping statistics for 10.0.0.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 10.0.0.2

Pinging 10.0.0.2 with 32 bytes of data:

Request timed out.
Reply from 10.0.0.2: bytes=32 time<1ms TTL=127
Reply from 10.0.0.2: bytes=32 time=1ms TTL=127
Reply from 10.0.0.2: bytes=32 time<1ms TTL=127
```