NAME – ABHINAV CHAUHAN

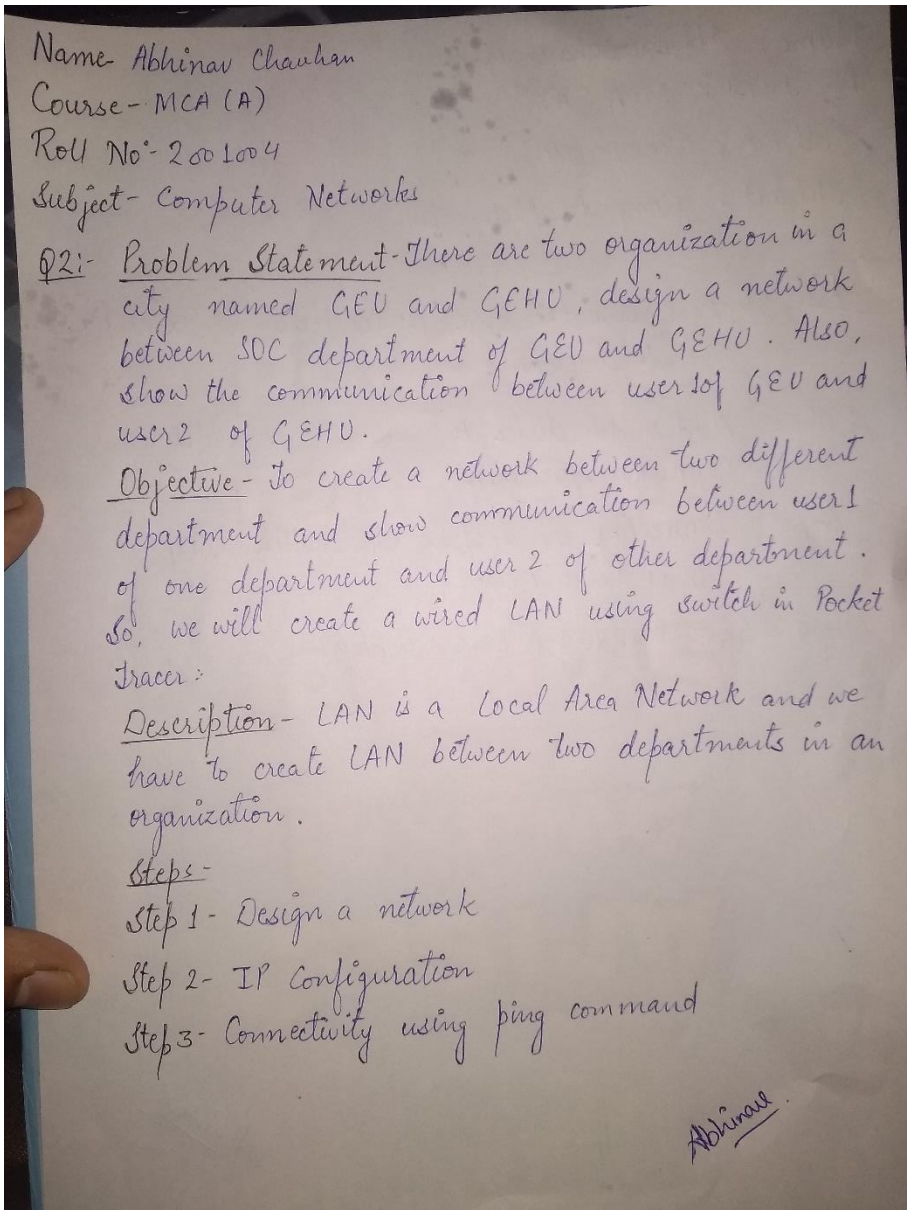
COURSE – MCA

SECTION – A

ROLL NO. – 2001004

STUDENT ID – 20561024

Q2 –



Name- Abhinav Chauhan
Course- MCA (A)
Roll No- 2001004
Subject- Computer Networks

Q2:- Problem Statement- There are two organization in a city named GEU and GEHU, design a network between SOC department of GEU and GEHU. Also, show the communication between user 1 of GEU and user 2 of GEHU.

Objective- To create a network between two different department and show communication between user 1 of one department and user 2 of other department. So, we will create a wired LAN using switch in Packet Tracer :

Description- LAN is a Local Area Network and we have to create LAN between two departments in an organization.

Steps-

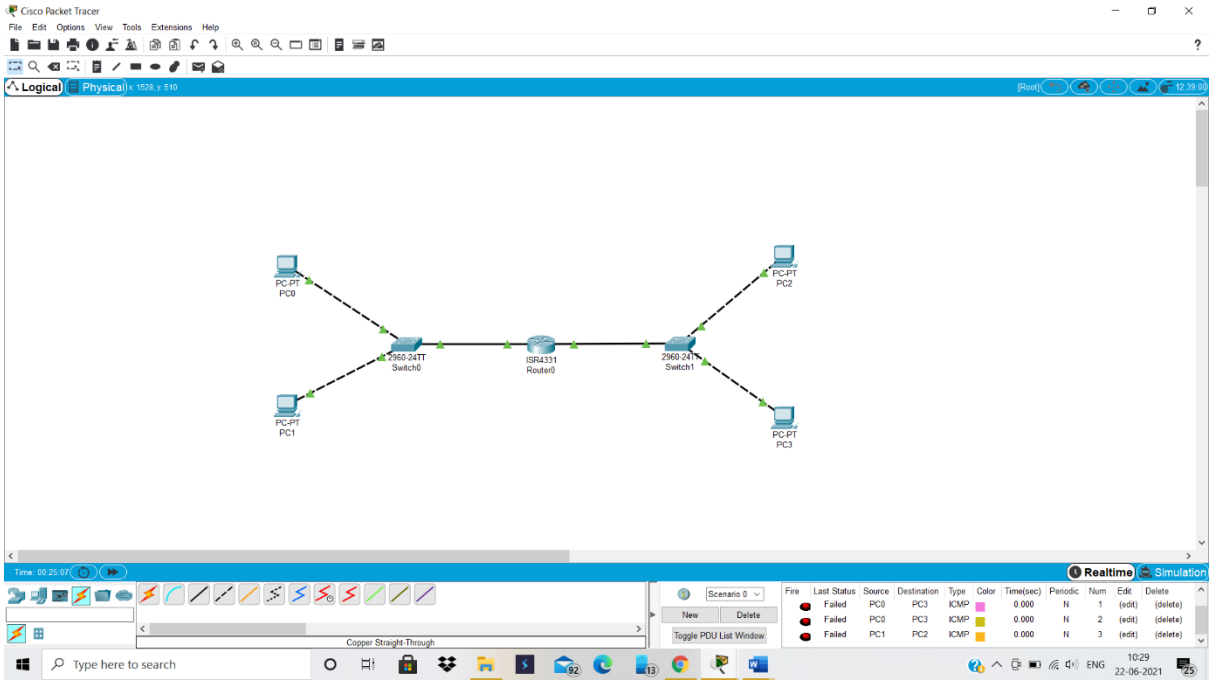
Step 1- Design a network

Step 2- IP Configuration

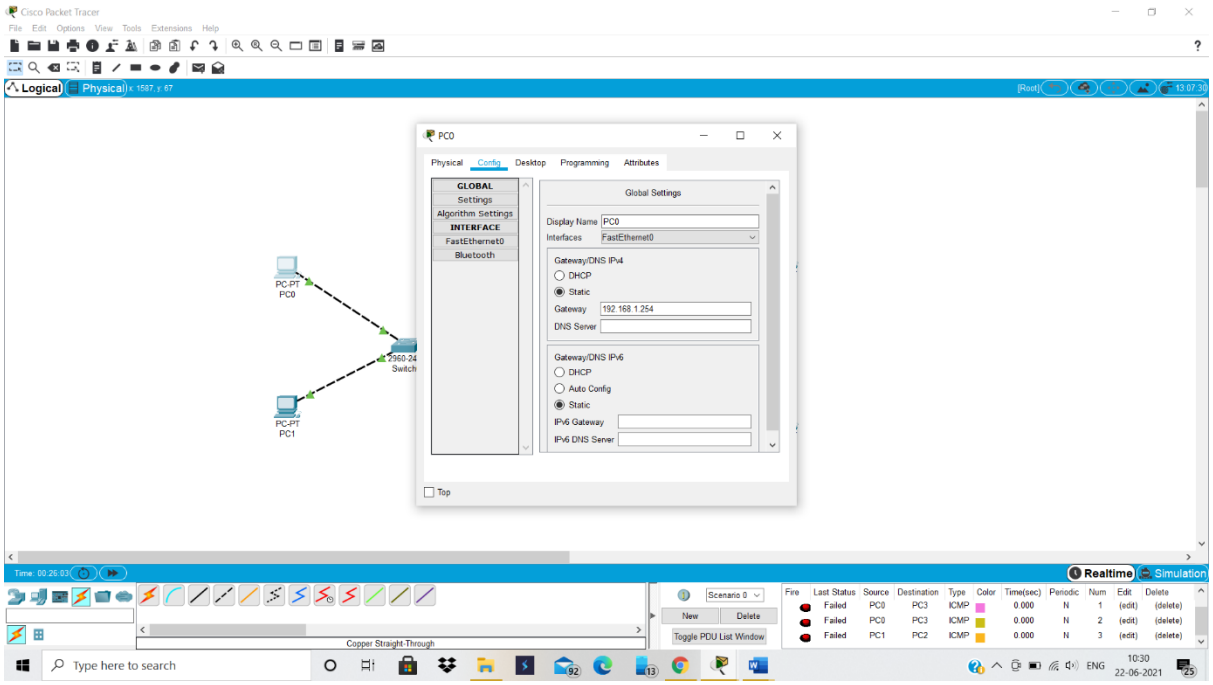
Step 3- Connectivity using ping command

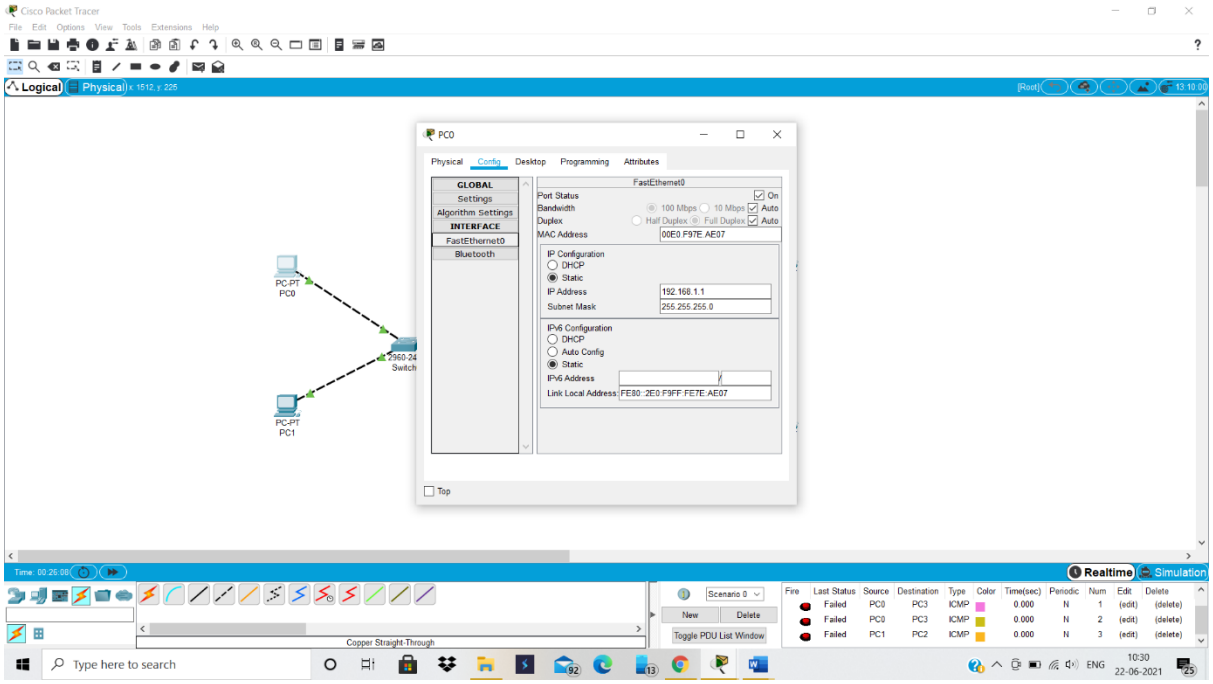
Abhinav

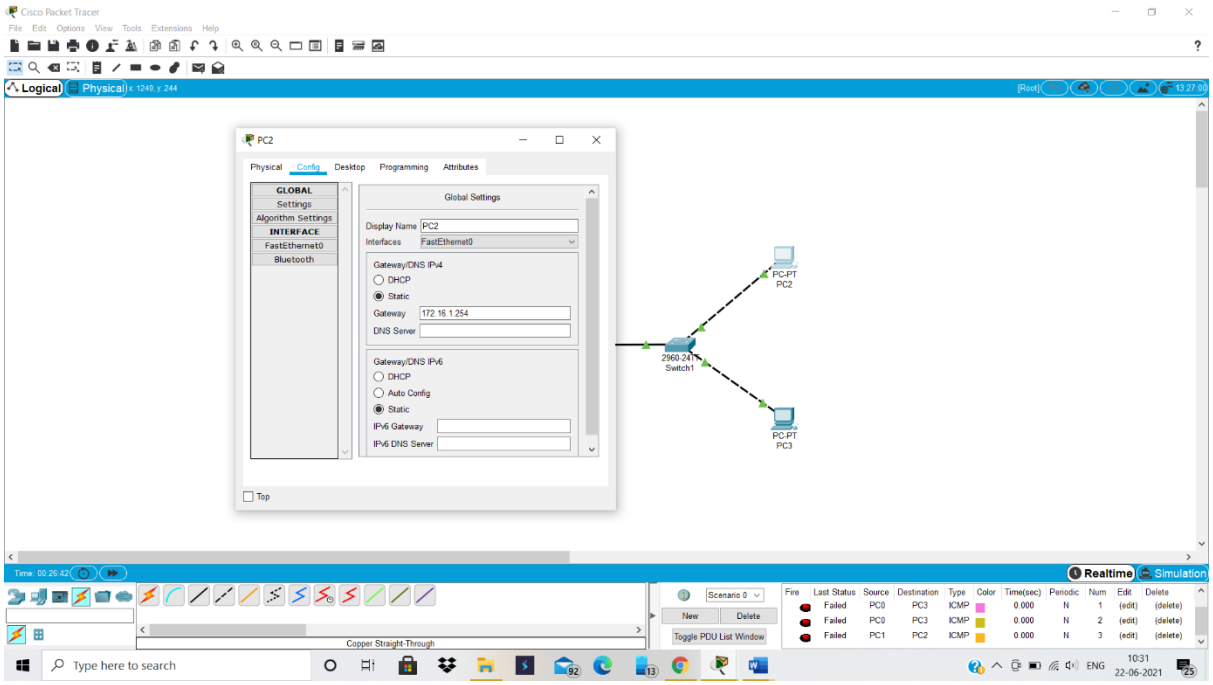
NETWORK DESIGN:



IP CONFIGURATION OF PCS:




Cisco Packet Tracer
Logical
Physical
PC0
Physical
Config
Desktop
Programming
Attributes
GLOBAL
Settings
Algorithm Settings
INTERFACE
FastEthernet0
Bluetooth
FastEthernet0
Port Status
Bandwidth
Duplex
MAC Address
00E0.F97E.AE07
IP Configuration
DHCP
Static
IP Address
192.168.1.1
Subnet Mask
255.255.255.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::2E0:F9FF:FE7E:AE07
Top
PC-PT
PC0
PC-PT
PC1
2960-24
Switch
Realtime
Simulation
Copper Straight-Through
Type here to search
10:30
22-06-2021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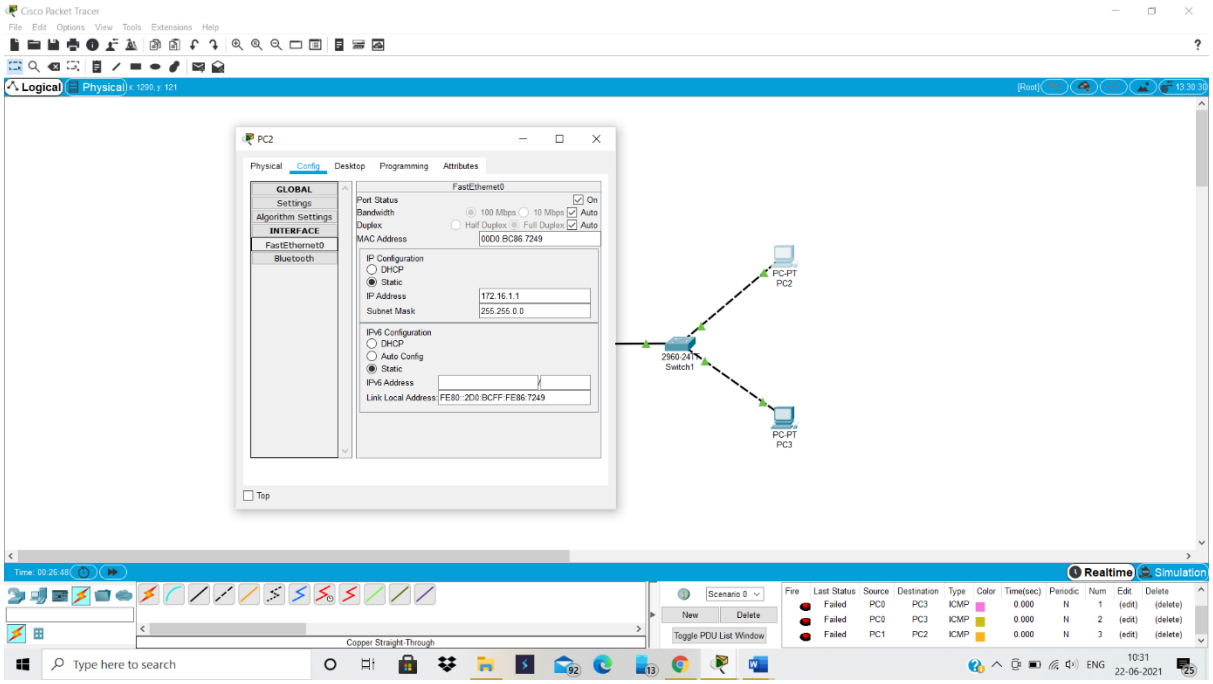
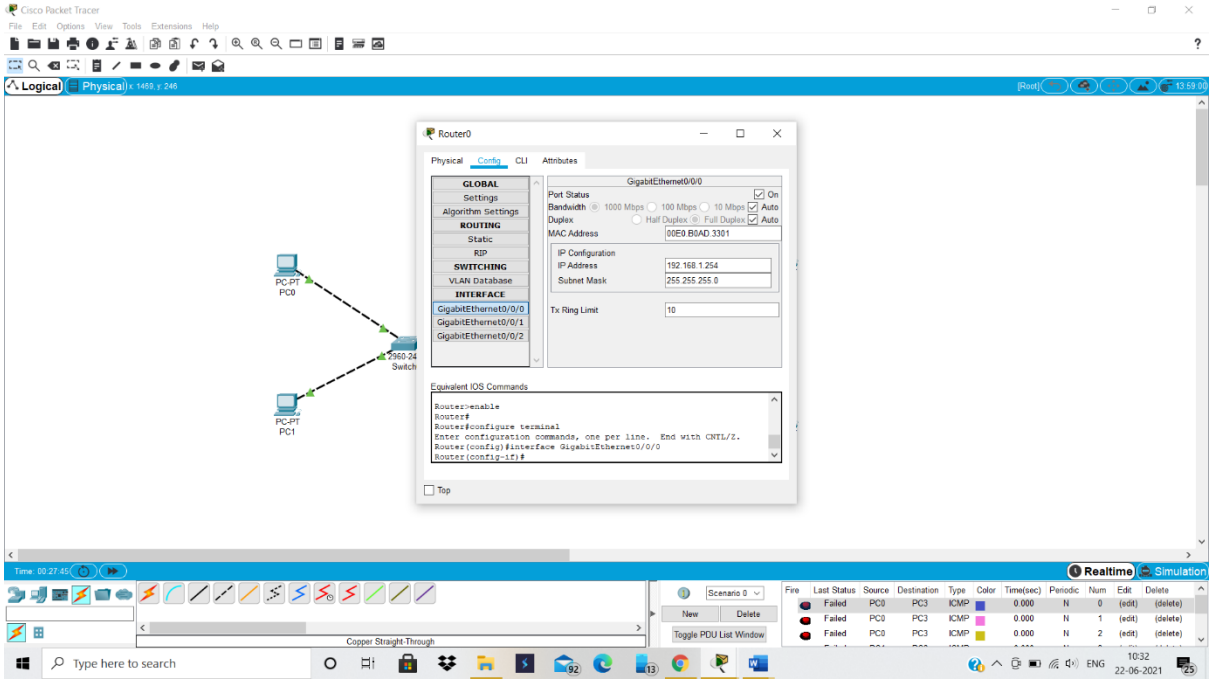
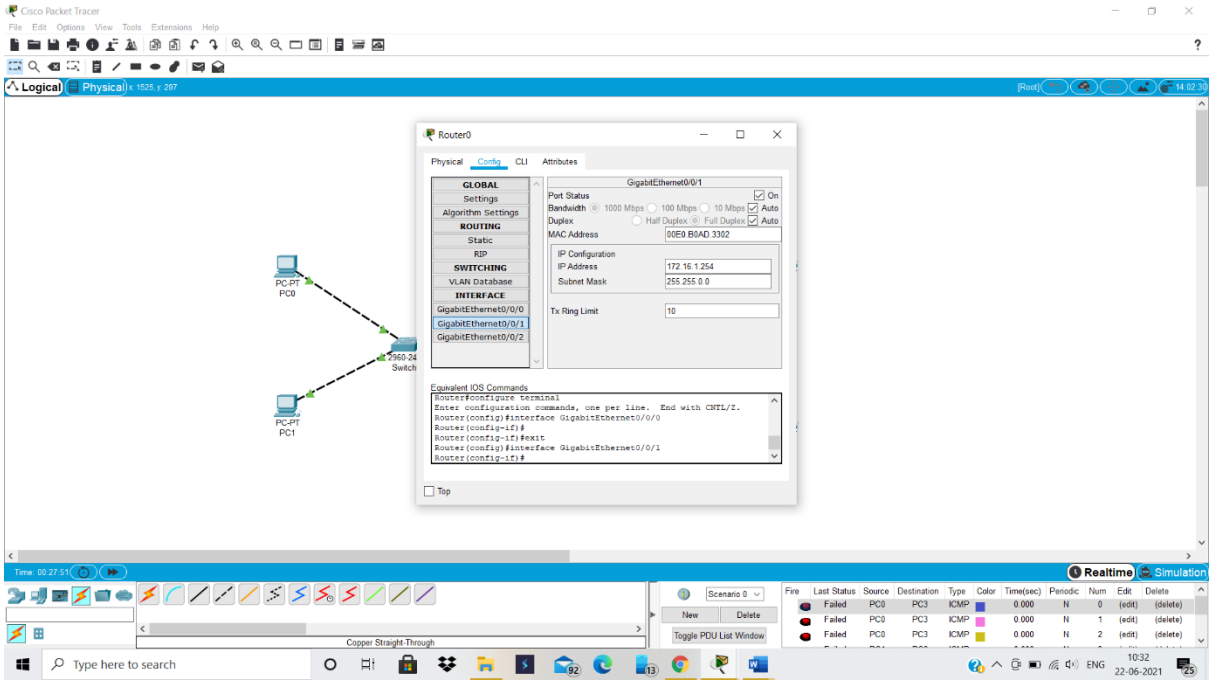
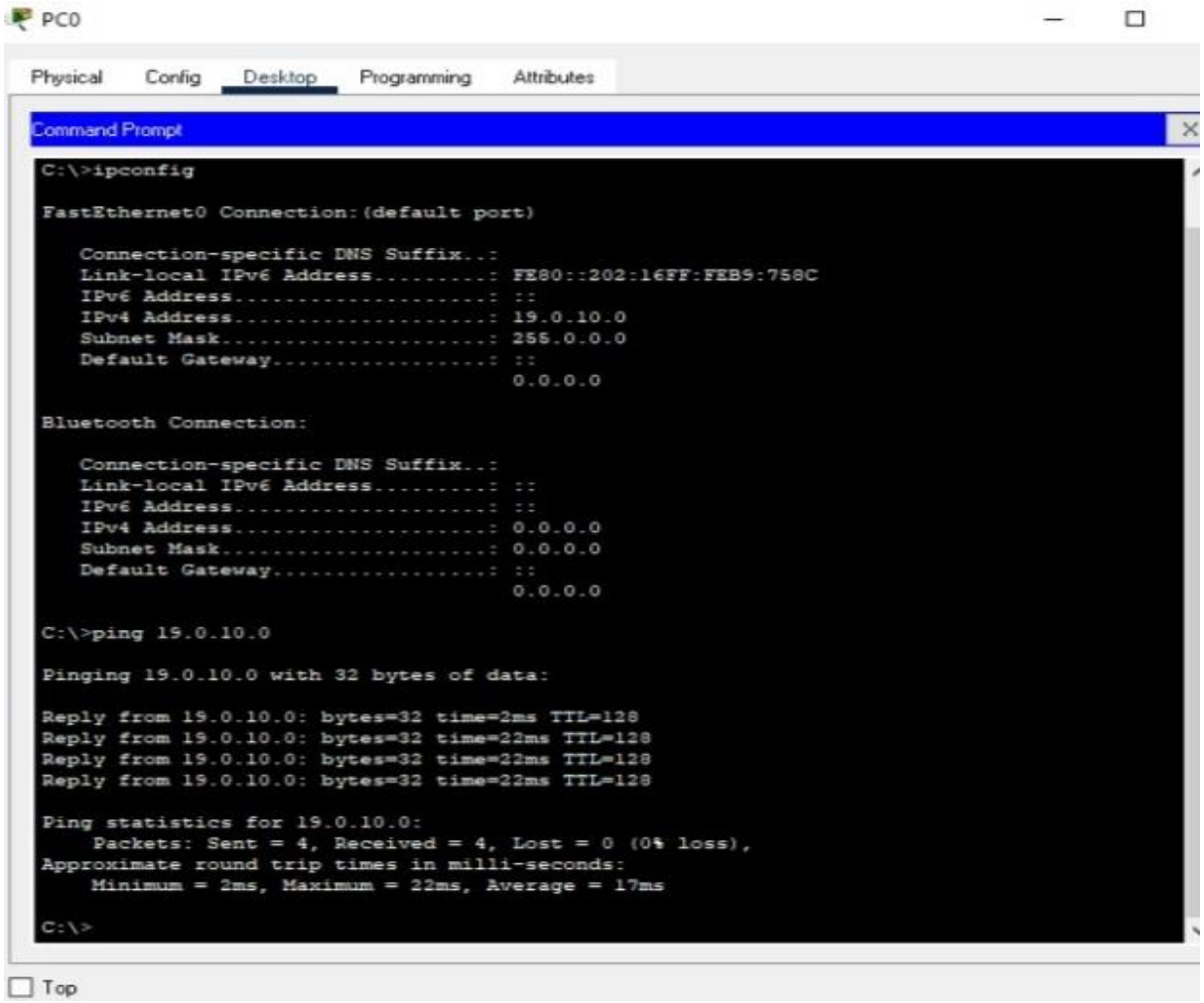
FastEthernet0
Bluetooth
Global Settings
Display Name
PC2
Interfaces
FastEthernet0
Gateway/DNS IPv4
DHCP
Static
Gateway
172.16.1.254
DNS Server
Gateway/DNS IPv6
DHCP
Auto Config
Static
IPv6 Gateway
IPv6 DNS Server
Top
PC-PT
PC2
PC-PT
PC3
2960-24
Switch1
Realtime
Simulation
Copper Straight-Through
Type here to search
10:31
22-06-2021



IP CONFIGURATION OF ROUTER:





NETWORK TESTING: