



PC0

Physical Config Desktop Programming Attributes

Command Prompt

```
C:\>ipconfig

FastEthernet0 Connection: (default port)

    Connection-specific DNS Suffix...: 
    Link-local IPv6 Address . . . . .: FE80::202:16FF:FEB9:758C
    IPv6 Address . . . . .: ::
    IPv4 Address. . . . .: 19.0.10.0
    Subnet Mask . . . . .: 255.0.0.0
    Default Gateway . . . . .: ::
                                   0.0.0.0

Bluetooth Connection:

    Connection-specific DNS Suffix...: 
    Link-local IPv6 Address . . . . .: ::
    IPv6 Address . . . . .: ::
    IPv4 Address . . . . .: 0.0.0.0
    Subnet Mask . . . . .: 0.0.0.0
    Default Gateway . . . . .: ::
                                   0.0.0.0

C:\>ping 19.0.10.0

Pinging 19.0.10.0 with 32 bytes of data:

Reply from 19.0.10.0: bytes=32 time=2ms TTL=128
Reply from 19.0.10.0: bytes=32 time=22ms TTL=128
Reply from 19.0.10.0: bytes=32 time=22ms TTL=128
Reply from 19.0.10.0: bytes=32 time=22ms TTL=128

Ping statistics for 19.0.10.0:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 22ms, Average = 17ms

C:\>
```

☐ Top

Toggle PDU List Window

30°C 10:20 AM 6/22/2021

Ans 1.2 Problem Statement:- There are two organisations in a city named GCU and GCHU.

Design a network between SOC department of GCU and GCHU. Also show the communication between user 1 of GCU and user 2 of GCHU.

Objective:- To create a network between two different departments and show communication between user 1 of one department and user 2 of other department.

Description:- LAN is a local area network and we have to create a LAN between two departments in an organisation.

Steps:-

Step 1:- Design a network.

Step 2:- IP Configuration.

Step 3:- Connectivity using ping command.