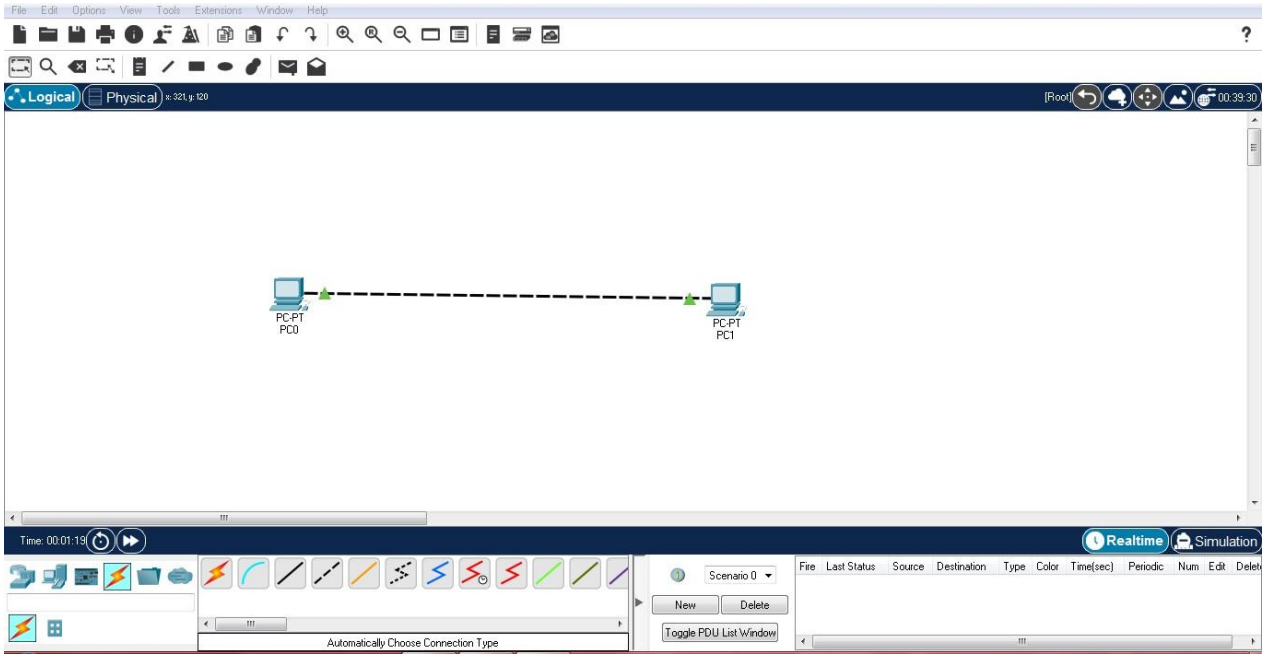
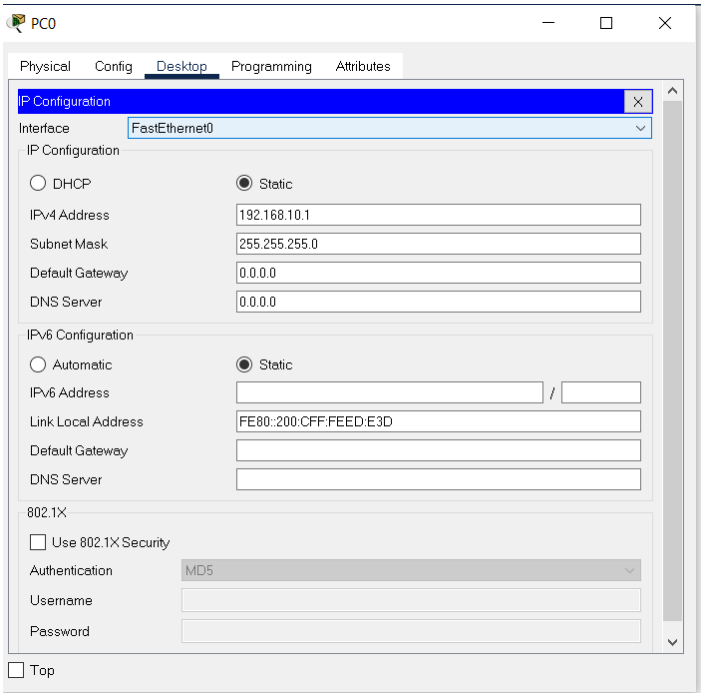
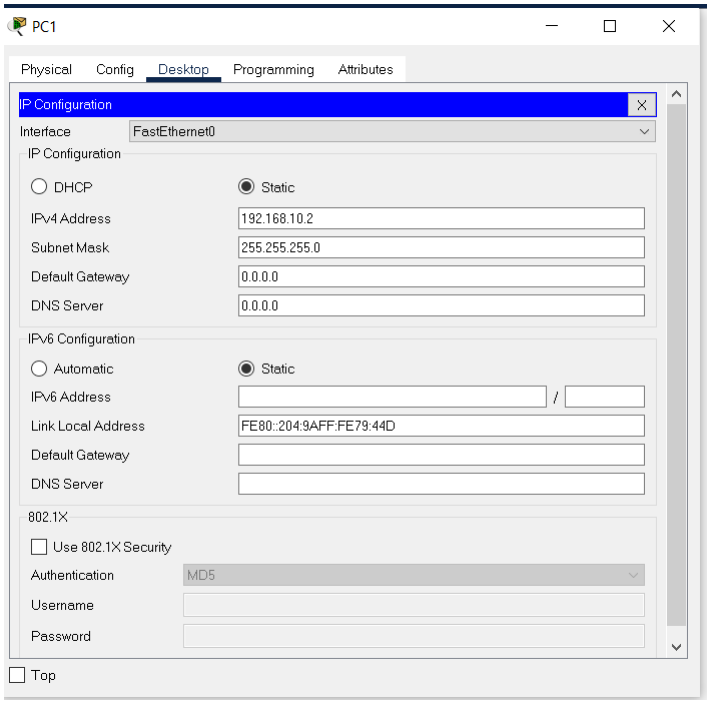
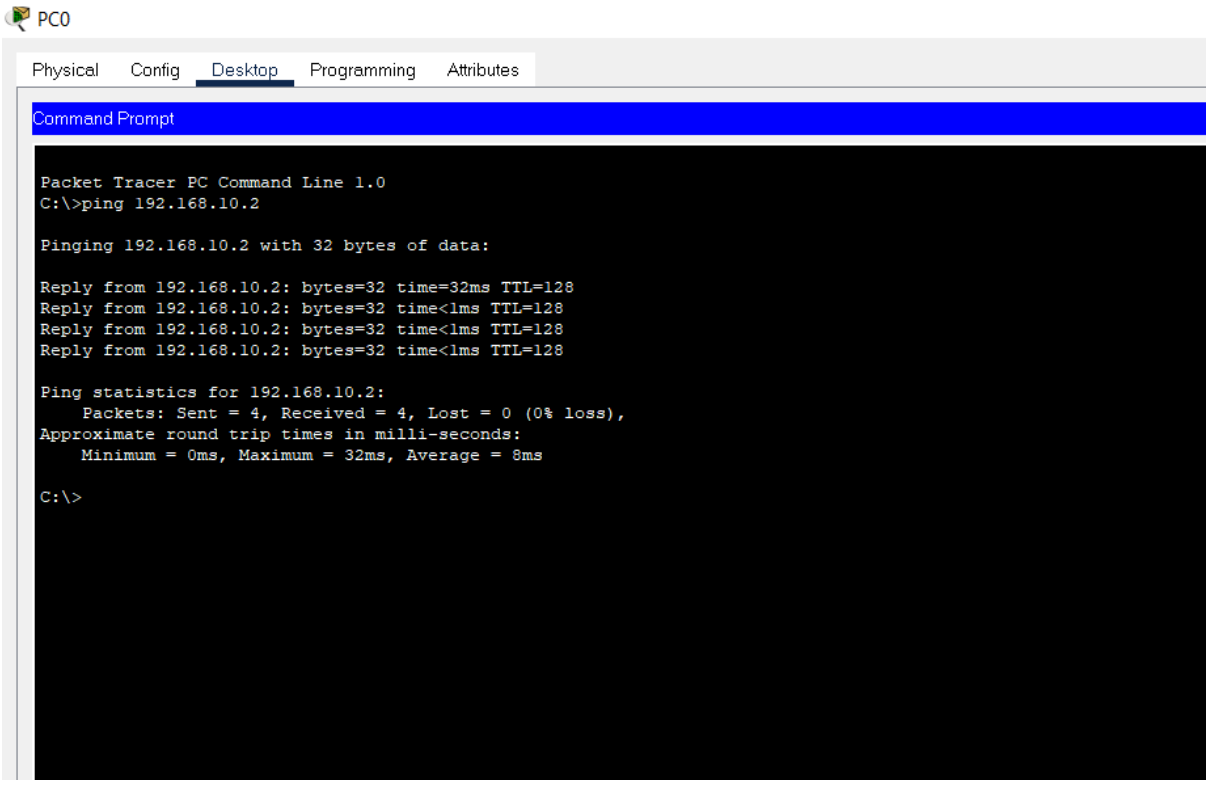
Computer Network Practical Mock

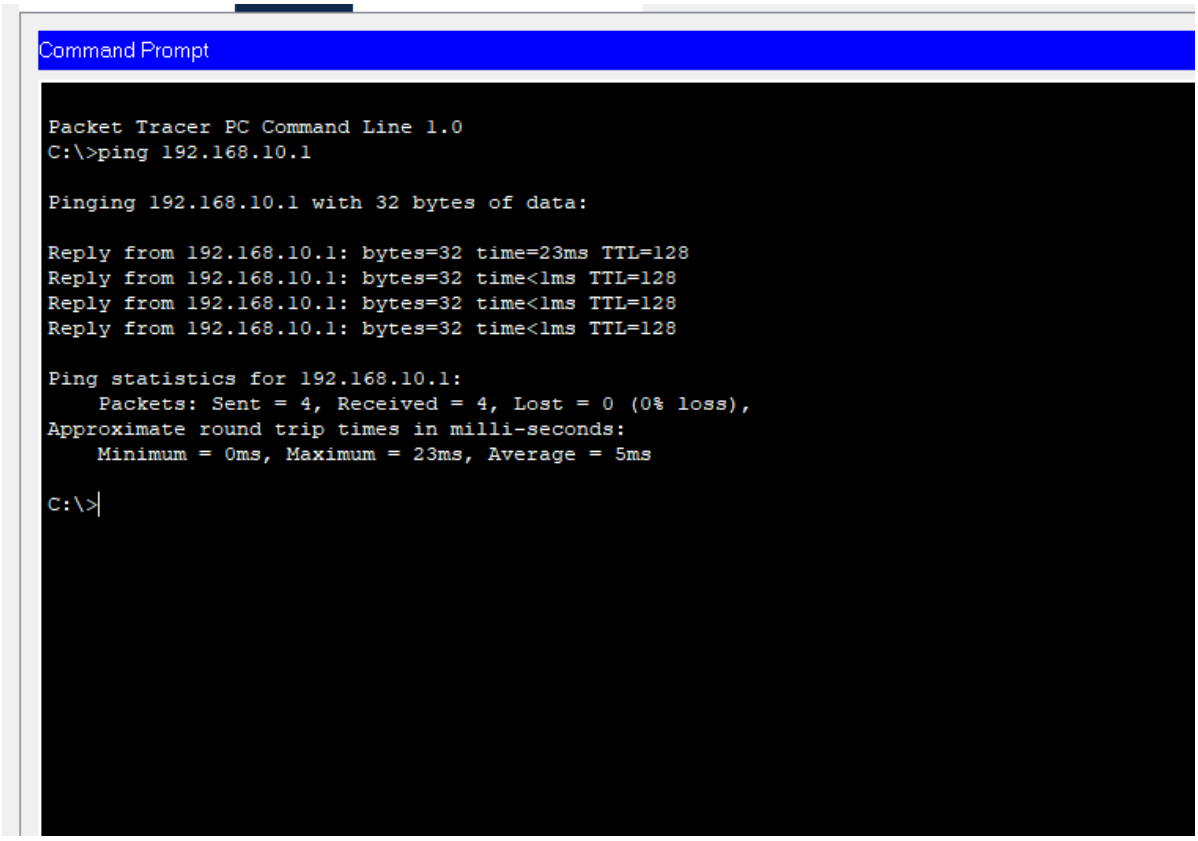
Q:1) Design a network to connect with two PCs



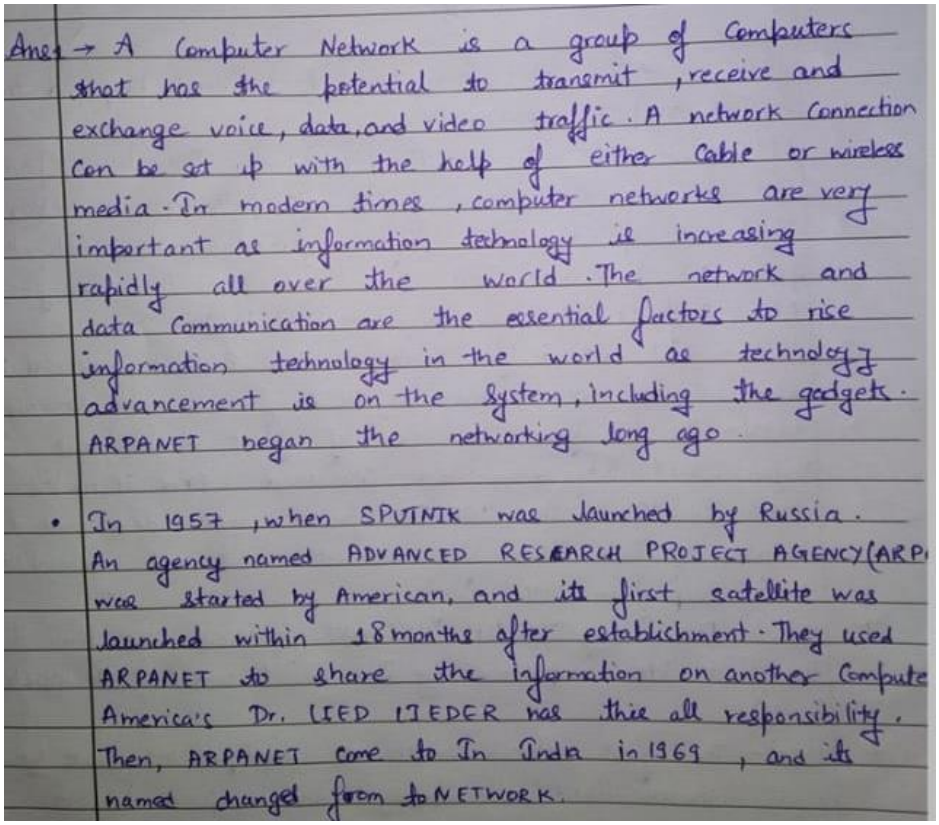



PC1
Physical
Config
Desktop
Programming
Attributes
IP Configuration
Interface
FastEthernet0
IP Configuration
DHCP
Static
IPv4 Address
192.168.10.2
Subnet Mask
255.255.255.0
Default Gateway
0.0.0.0
DNS Server
0.0.0.0
IPv6 Configuration
Automatic
Static
IPv6 Address
Link Local Address
FE80::204:9AFF:FE79:44D
Default Gateway
DNS Server
802.1X
Use 802.1X Security
Authentication
MD5
Username
Password
Top


PC0
Physical
Config
Desktop
Programming
Attributes
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.10.2
Pinging 192.168.10.2 with 32 bytes of data:
Reply from 192.168.10.2: bytes=32 time=32ms TTL=128
Reply from 192.168.10.2: bytes=32 time<1ms TTL=128
Reply from 192.168.10.2: bytes=32 time<1ms TTL=128
Reply from 192.168.10.2: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.10.2:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 32ms, Average = 8ms
C:\>


Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.10.1
Pinging 192.168.10.1 with 32 bytes of data:
Reply from 192.168.10.1: bytes=32 time=23ms TTL=128
Reply from 192.168.10.1: bytes=32 time<1ms TTL=128
Reply from 192.168.10.1: bytes=32 time<1ms TTL=128
Reply from 192.168.10.1: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.10.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 23ms, Average = 5ms
C:\>

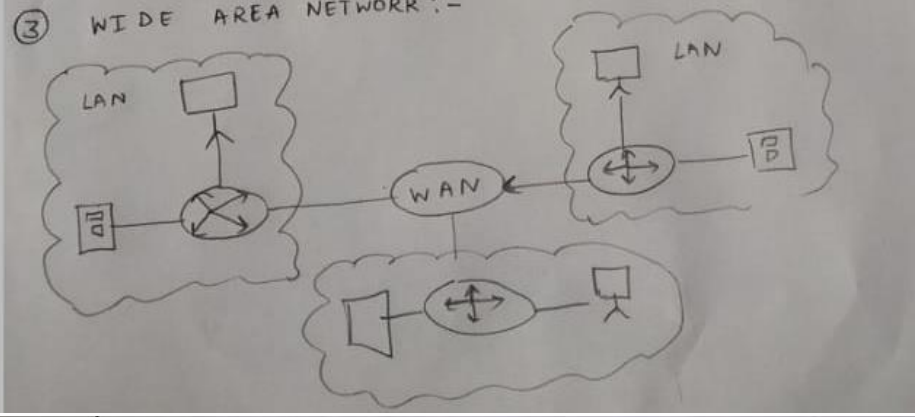
Q:2) What is Network?



Ans → A Computer Network is a group of Computers that has the potential to transmit, receive and exchange voice, data, and video traffic. A network Connection Can be set up with the help of either Cable or wireless media. In modern times, computer networks are very important as information technology is increasing rapidly all over the world. The network and data Communication are the essential factors to rise information technology in the world as technology advancement is on the system, including the gadgets. ARPANET began the networking long ago.

- In 1957, when SPUTNIK was launched by Russia. An agency named ADVANCED RESEARCH PROJECT AGENCY (ARP was started by American, and its first satellite was launched within 18 months after establishment. They used ARPANET to share the information on another Compute America's Dr. LEED ITEDER has this all responsibility. Then, ARPANET come to In India in 1969, and its named changed from to NETWORK.

③ WIDE AREA NETWORK :-



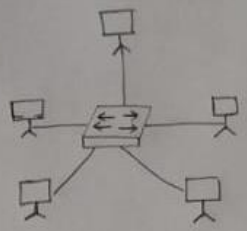
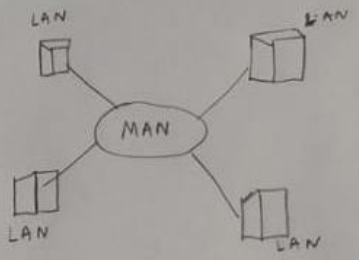
★ Popular Computer Networks :-

① Local Area Network (LAN)

② Metropolitan Area Network (MAN)

③ Wide Area Network (WAN)

① Local Area Network :-



② Metropolitan Area Network (MAN)