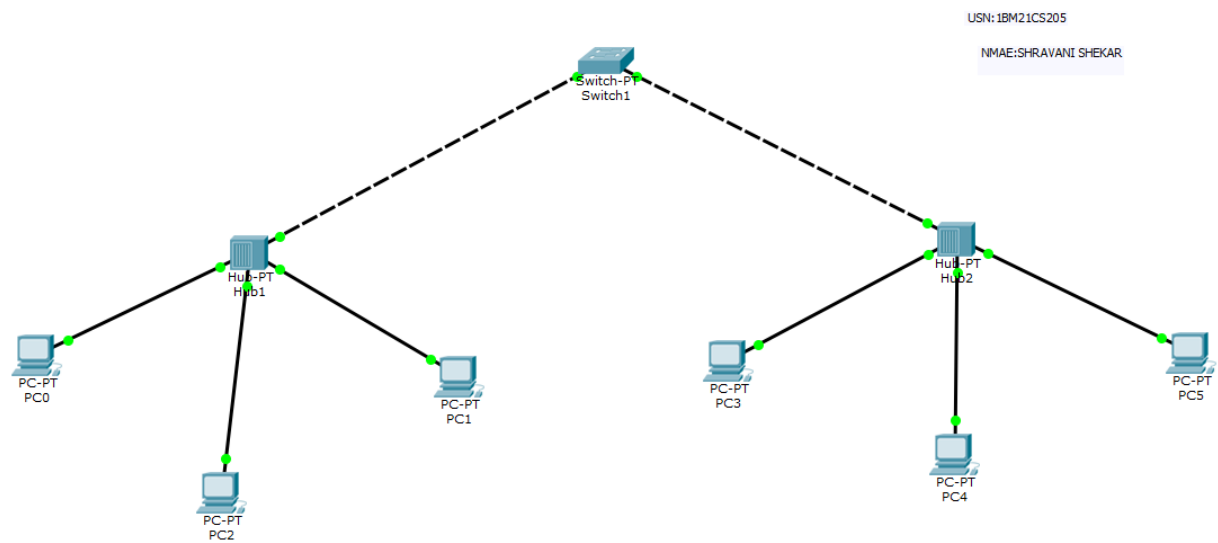


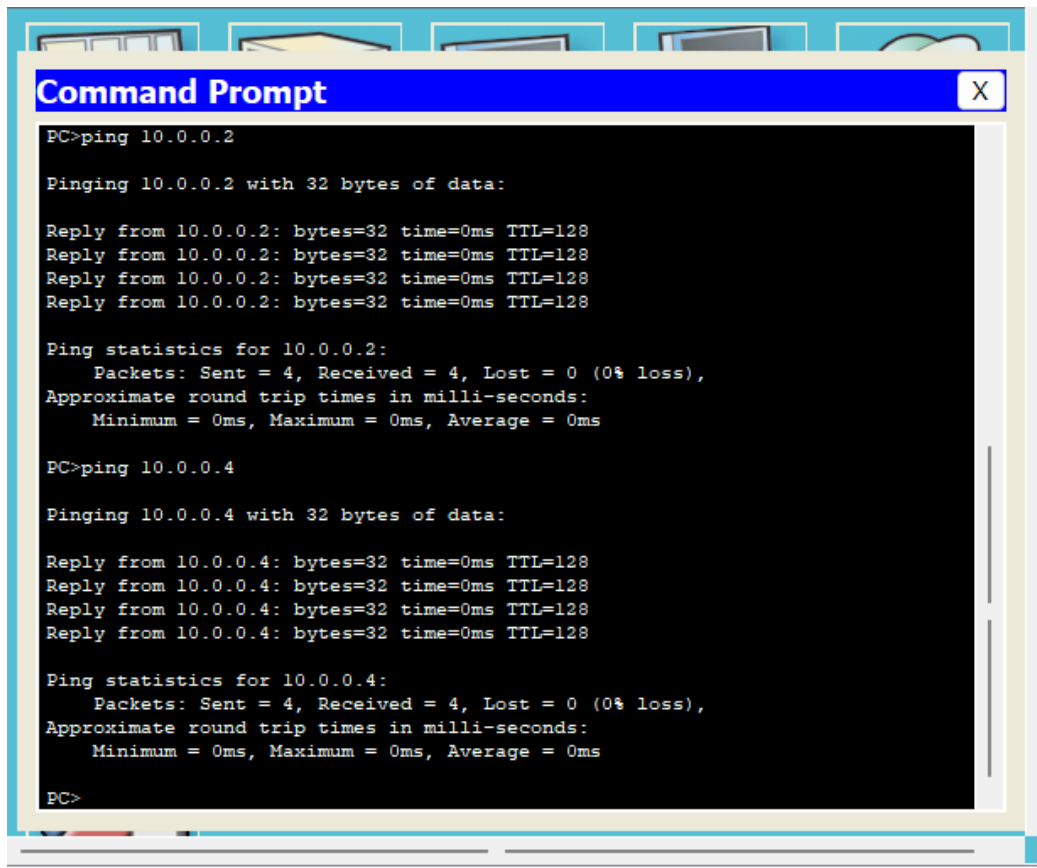
USN:1BM21CS205

NAME;SHRAVANI SHEKAR

EXP-1

Create a topology consisting of two or more end devices with the help of a hub and a switch and stimulate a simple PDU.





```
Command Prompt
PC>ping 10.0.0.2

Pinging 10.0.0.2 with 32 bytes of data:

Reply from 10.0.0.2: bytes=32 time=0ms TTL=128
Reply from 10.0.0.2: bytes=32 time=0ms TTL=128
Reply from 10.0.0.2: bytes=32 time=0ms TTL=128
Reply from 10.0.0.2: bytes=32 time=0ms 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 = 0ms, Average = 0ms

PC>ping 10.0.0.4

Pinging 10.0.0.4 with 32 bytes of data:

Reply from 10.0.0.4: bytes=32 time=0ms TTL=128
Reply from 10.0.0.4: bytes=32 time=0ms TTL=128
Reply from 10.0.0.4: bytes=32 time=0ms TTL=128
Reply from 10.0.0.4: bytes=32 time=0ms TTL=128

Ping statistics for 10.0.0.4:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

PC>
```

OUTCOMES:

HUB

1. Using HUB the connection is established immediately.
2. The HUB broadcasts the data packets to all the output interfaces except the incoming input interface.

SWITCH:

1. The switch takes approximately 30 seconds to establish the connection.
2. At first it broadcasts it to all the output interfaces except the incoming interface to create a switching table and then sends the data packet to only the destination device.

