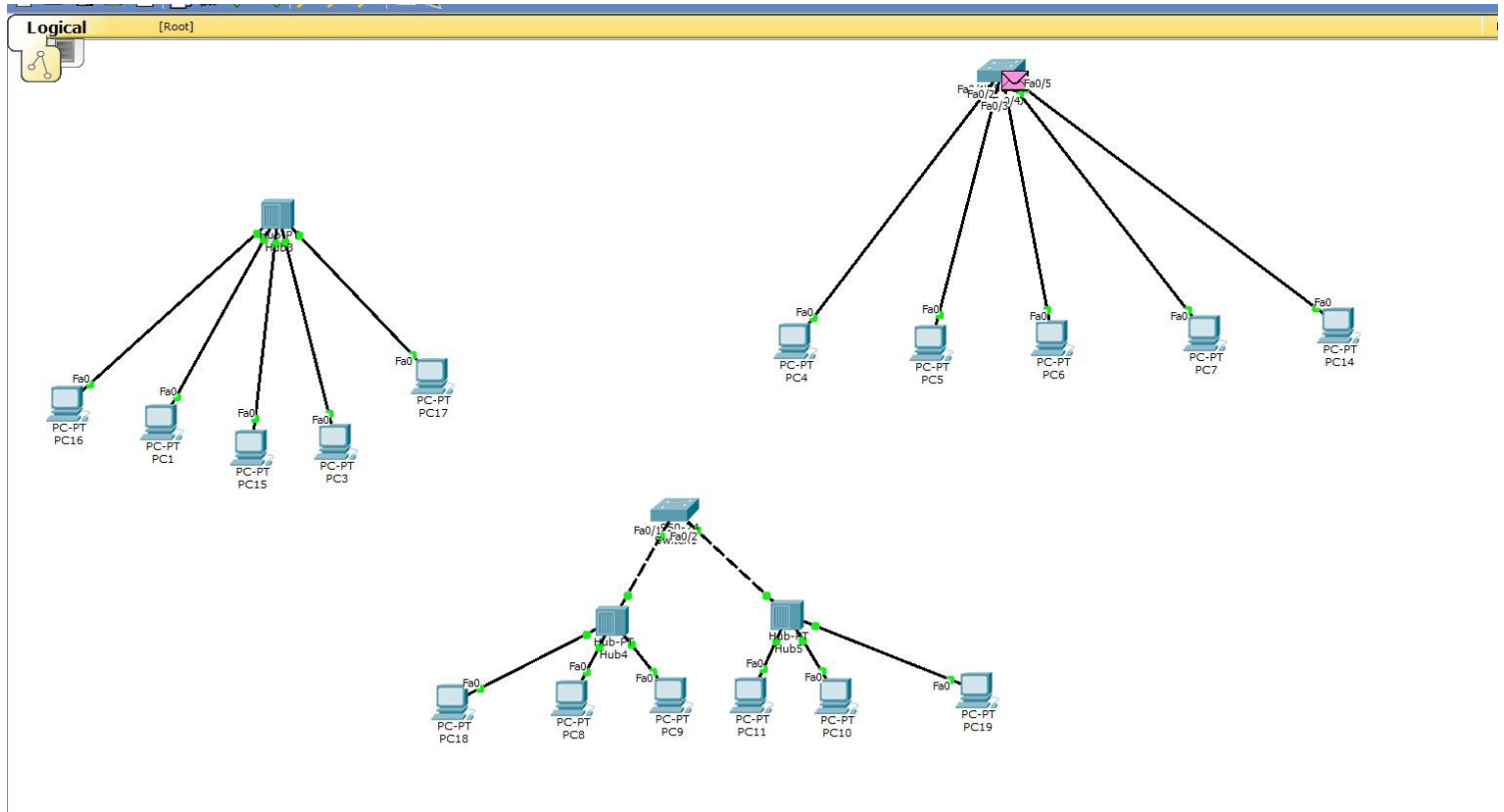


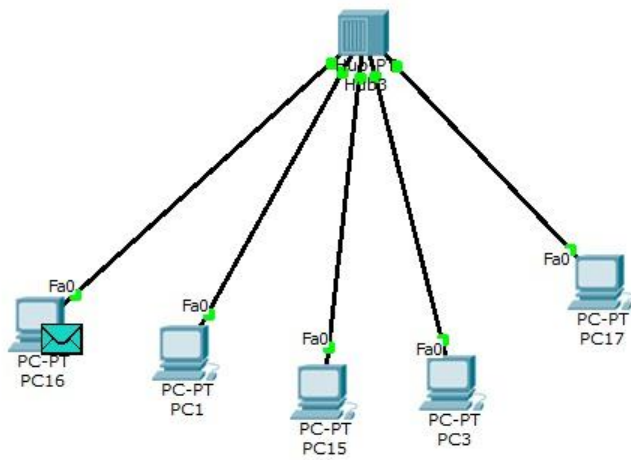
COMPUTER NETWORKS LAB

EXPERIMENT-01

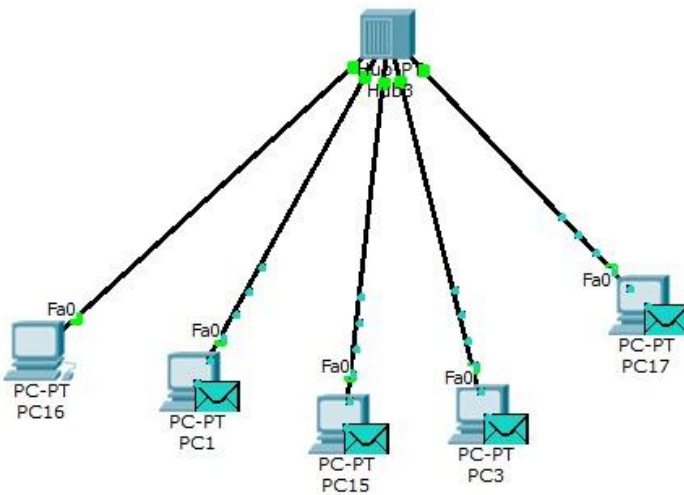


1.Hub

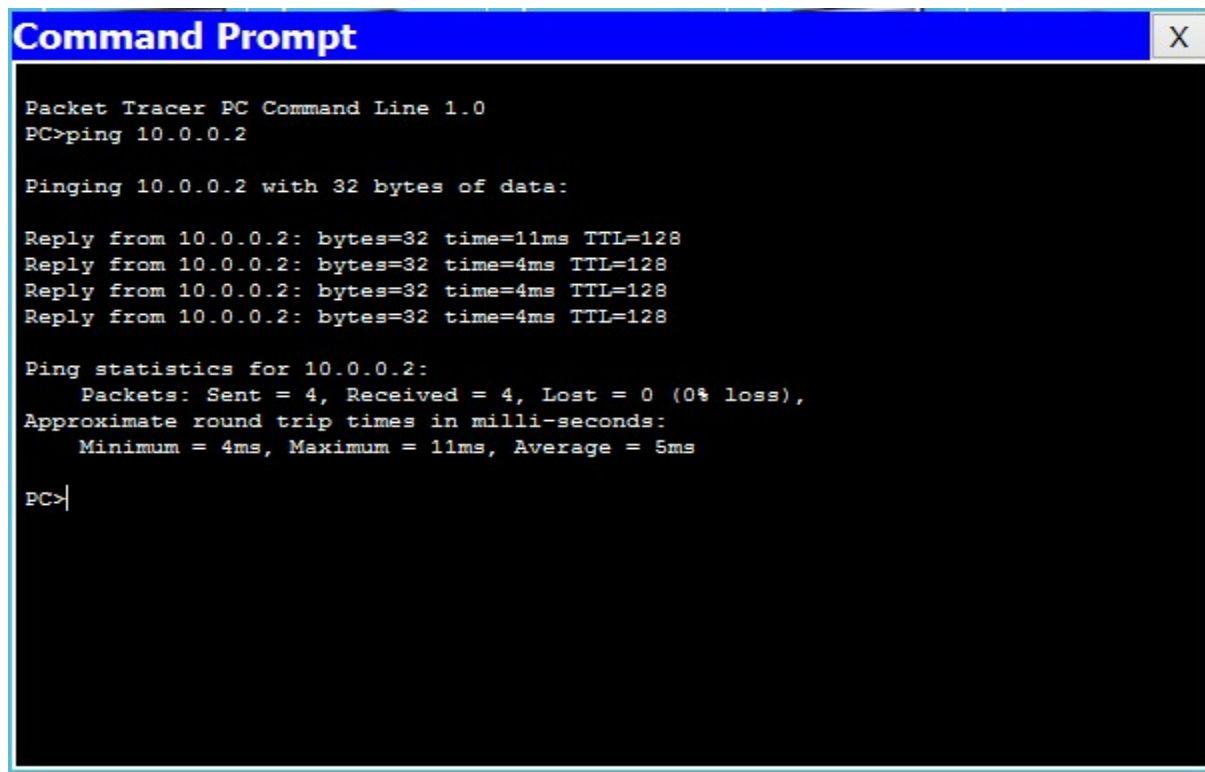
Topology:



Simulation:



Output:



```
Command Prompt
Packet Tracer PC Command Line 1.0
PC>ping 10.0.0.2

Pinging 10.0.0.2 with 32 bytes of data:

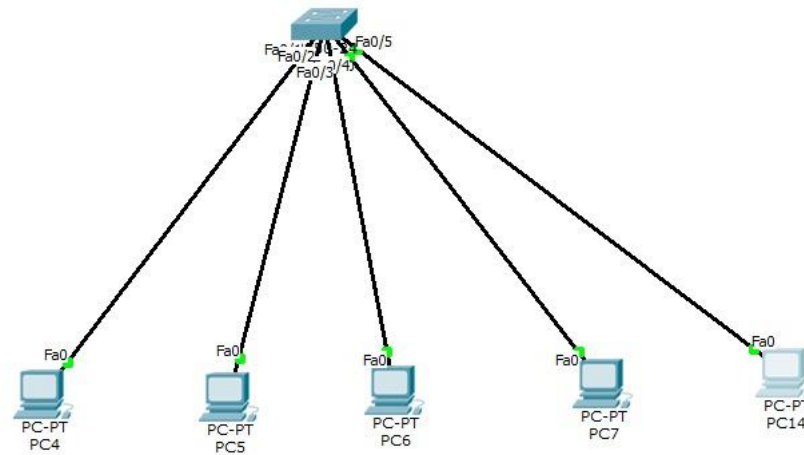
Reply from 10.0.0.2: bytes=32 time=11ms TTL=128
Reply from 10.0.0.2: bytes=32 time=4ms TTL=128
Reply from 10.0.0.2: bytes=32 time=4ms TTL=128
Reply from 10.0.0.2: bytes=32 time=4ms TTL=128

Ping statistics for 10.0.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 4ms, Maximum = 11ms, Average = 5ms

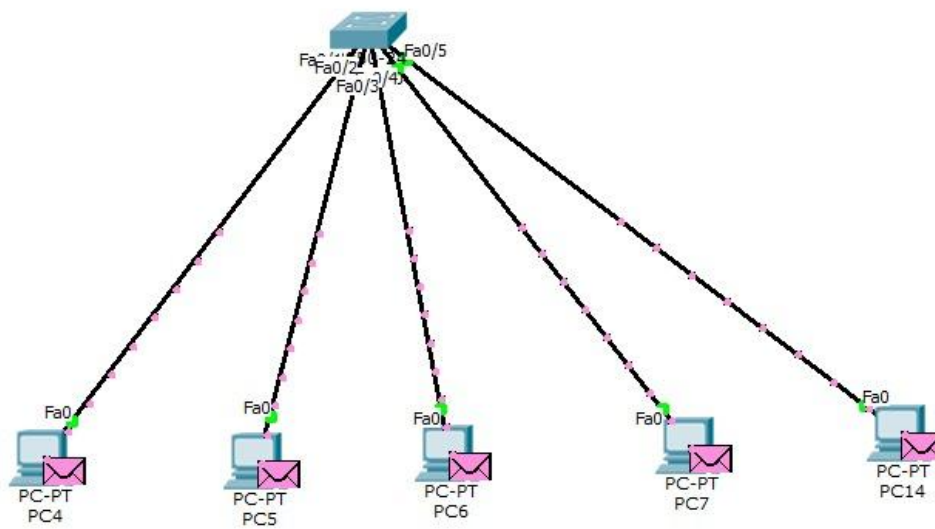
PC>
```

2.Switch

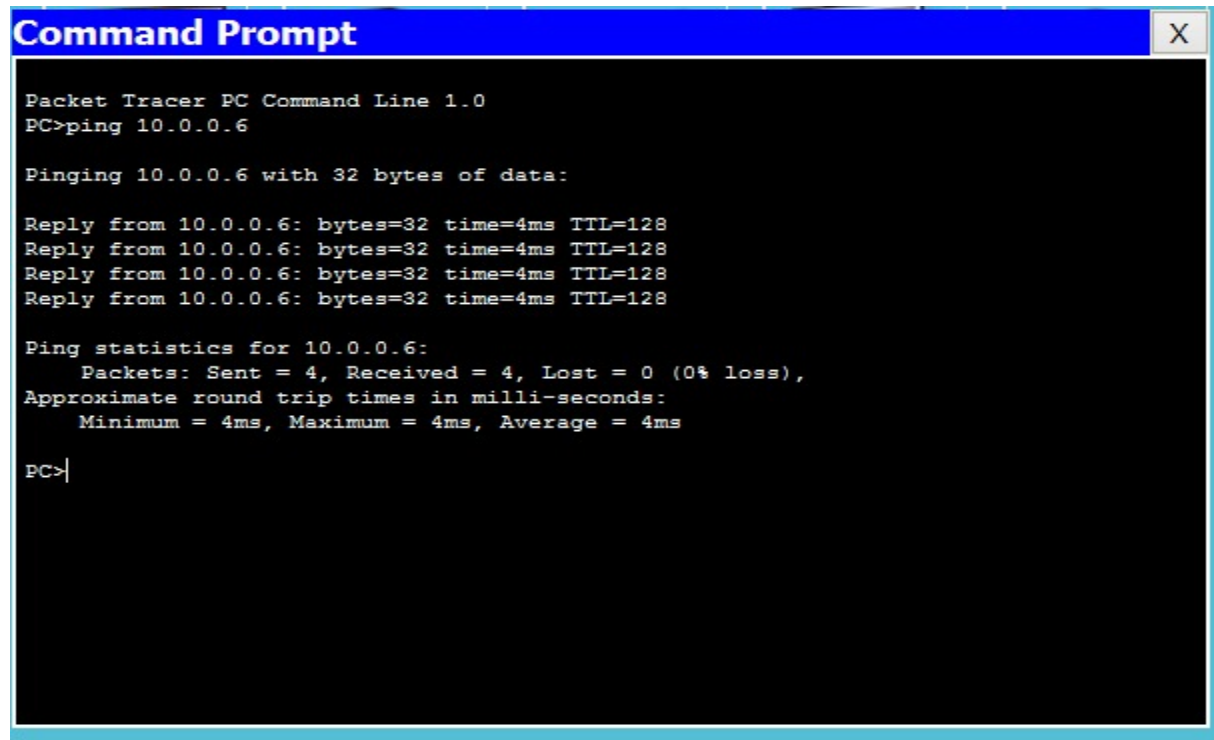
Topology:



Simulation:



Output:



The image shows a screenshot of a 'Command Prompt' window from the Packet Tracer application. The window has a blue title bar with the text 'Command Prompt' and a close button (X) on the right. The main area is black with white text. The text shows the command 'ping 10.0.0.6' being entered and executed. The output indicates that the ping was successful, with 4 packets sent and received, 0% loss, and a round trip time of 4ms. The window is titled 'Packet Tracer PC Command Line 1.0'.

```
Packet Tracer PC Command Line 1.0
PC>ping 10.0.0.6

Pinging 10.0.0.6 with 32 bytes of data:

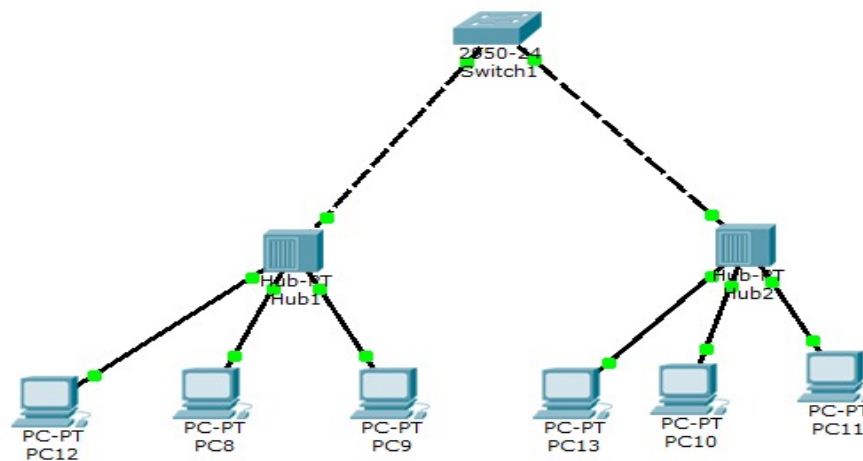
Reply from 10.0.0.6: bytes=32 time=4ms TTL=128
Reply from 10.0.0.6: bytes=32 time=4ms TTL=128
Reply from 10.0.0.6: bytes=32 time=4ms TTL=128
Reply from 10.0.0.6: bytes=32 time=4ms TTL=128

Ping statistics for 10.0.0.6:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 4ms, Maximum = 4ms, Average = 4ms

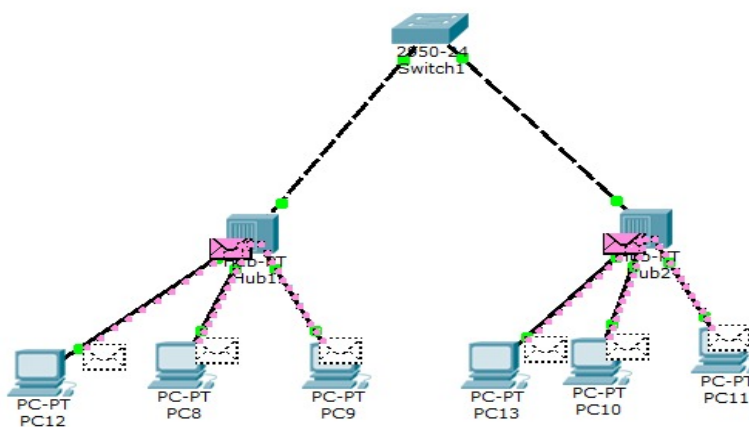
PC>|
```

3. Hybrid (Hub + Switch)

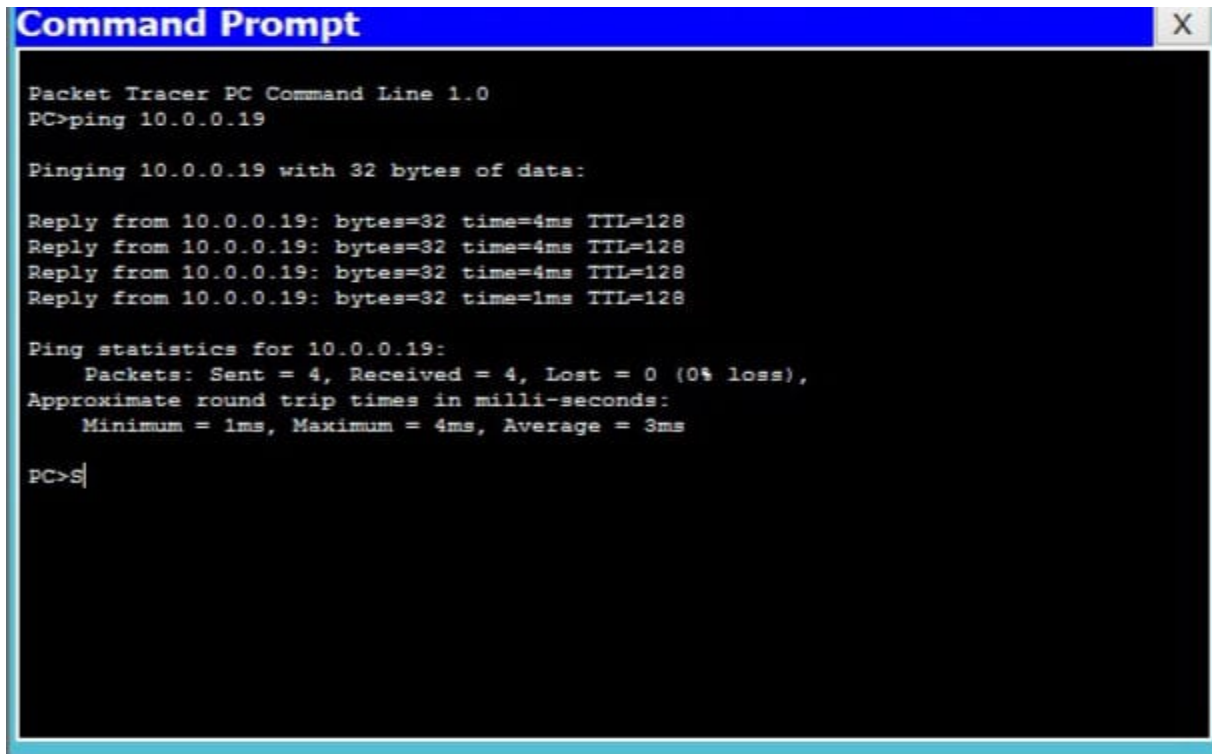
Topology:



Simulation:



Output:

A screenshot of a Packet Tracer PC Command Line window. The window has a blue title bar with the text "Command Prompt" and a close button (X) on the right. The main area is black with white text. The text shows the command "PC>ping 10.0.0.19" being entered. The output shows four successful replies from 10.0.0.19 with 32 bytes of data, times of 4ms, 4ms, 4ms, and 1ms, and a TTL of 128. Ping statistics for 10.0.0.19 are also shown: Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), and approximate round trip times in milliseconds: Minimum = 1ms, Maximum = 4ms, Average = 3ms. The prompt "PC>" is followed by a cursor.

```
Packet Tracer PC Command Line 1.0
PC>ping 10.0.0.19

Pinging 10.0.0.19 with 32 bytes of data:

Reply from 10.0.0.19: bytes=32 time=4ms TTL=128
Reply from 10.0.0.19: bytes=32 time=4ms TTL=128
Reply from 10.0.0.19: bytes=32 time=4ms TTL=128
Reply from 10.0.0.19: bytes=32 time=1ms TTL=128

Ping statistics for 10.0.0.19:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 4ms, Average = 3ms

PC>
```