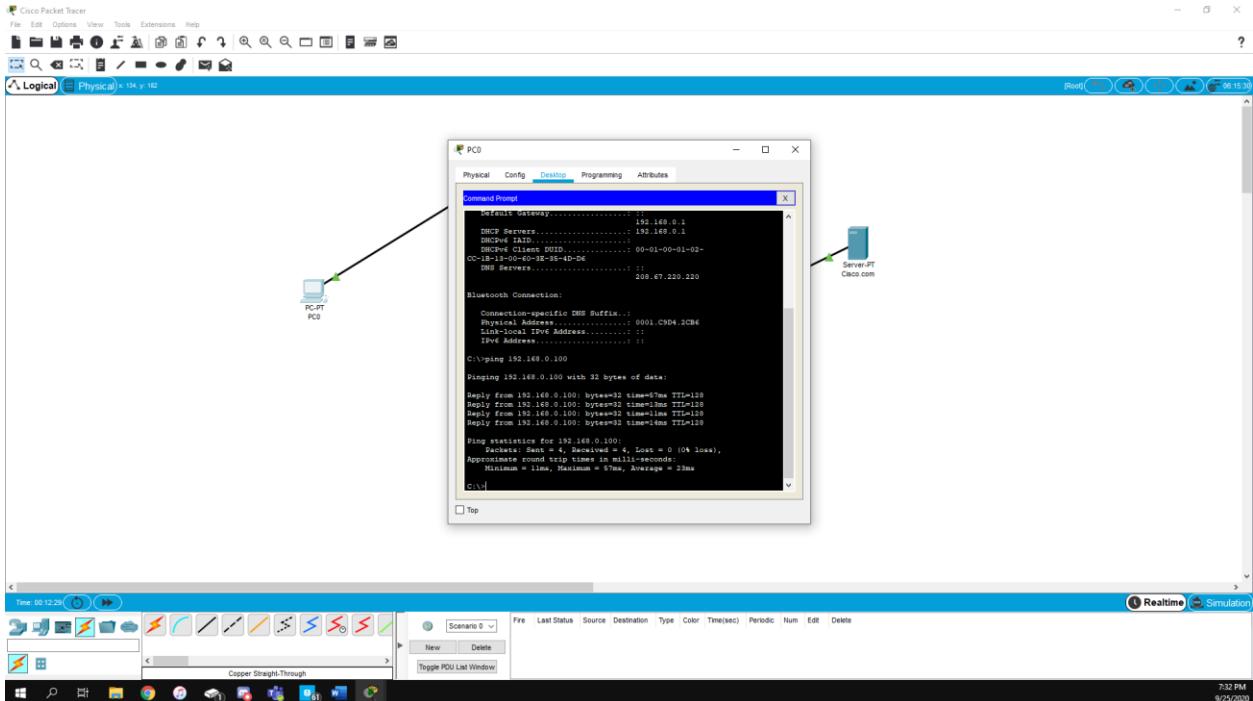


Homework 4 – Packet Tracer

- This is an individual assignment, and is worth 20 points.
- The due date is Friday, September 25 midnight.
- Submit the final outcome and *.pkt file.
- Follow usual naming convention.
- Copying and submitting someone else's work is strictly prohibited. **If caught, the students (giver and receiver) will receive zero on this assignment and also a 20 points penalty.**

Task 1. Complete all the Parts in the following file: *2.1.1.5 Packet Tracer - Create a Simple Network Using Packet Tracer.pdf*.

- Ping **Laptop** from **PC** and take a screenshot of the outcome. You should try the IP address of the Laptop.



- Ping **Cisco.com** from **PC** and take a screenshot of the outcome (refer to p. 14).

PC0

Physical Config Desktop Programming Attributes

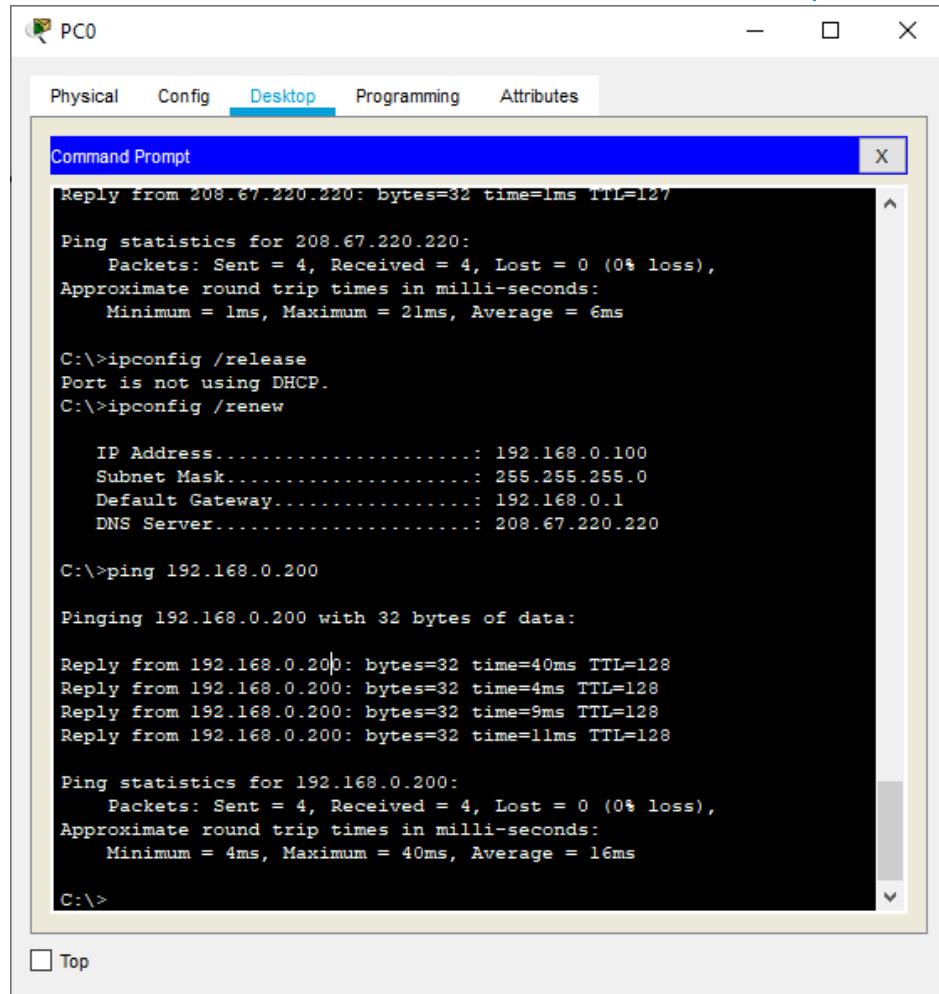
Command Prompt X

```
Ping request could not find host cisco.com. Please check the name  
and try again.  
C:\>ipconfig /release  
  
IP Address.....: 0.0.0.0  
Subnet Mask.....: 0.0.0.0  
Default Gateway.: 0.0.0.0  
DNS Server.....: 0.0.0.0  
  
C:\>ipconfig /renew  
  
IP Address.....: 192.168.0.101  
Subnet Mask.....: 255.255.255.0  
Default Gateway.: 192.168.0.1  
DNS Server.....: 208.67.220.220  
  
C:\>ping Cisco.com  
  
Pinging 208.67.220.220 with 32 bytes of data:  
  
Reply from 208.67.220.220: bytes=32 time=2ms TTL=127  
Reply from 208.67.220.220: bytes=32 time=1ms TTL=127  
Reply from 208.67.220.220: bytes=32 time=21ms TTL=127  
Reply from 208.67.220.220: bytes=32 time=1ms TTL=127  
  
Ping statistics for 208.67.220.220:  
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),  
Approximate round trip times in milli-seconds:  
    Minimum = 1ms, Maximum = 21ms, Average = 6ms  
  
C:\>
```

Top

Task 2. Change the name of the network devices.

- Ping Laptop from PC and take a screenshot of the outcome. You should try the IP address of



The screenshot shows a Windows Command Prompt window titled "PC0". The window has tabs at the top: Physical, Config, Desktop (which is selected), Programming, and Attributes. Below the tabs is a title bar "Command Prompt" with a close button "X". The main area of the window displays the following command-line session:

```

Reply from 208.67.220.220: bytes=32 time=1ms TTL=127
Ping statistics for 208.67.220.220:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 21ms, Average = 6ms

C:\>ipconfig /release
Port is not using DHCP.
C:\>ipconfig /renew

  IP Address.....: 192.168.0.100
  Subnet Mask....: 255.255.255.0
  Default Gateway.: 192.168.0.1
  DNS Server.....: 208.67.220.220

C:\>ping 192.168.0.200

Pinging 192.168.0.200 with 32 bytes of data:

Reply from 192.168.0.200: bytes=32 time=40ms TTL=128
Reply from 192.168.0.200: bytes=32 time=4ms TTL=128
Reply from 192.168.0.200: bytes=32 time=9ms TTL=128
Reply from 192.168.0.200: bytes=32 time=11ms TTL=128

Ping statistics for 192.168.0.200:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
    Minimum = 4ms, Maximum = 40ms, Average = 16ms

C:\>

```

At the bottom left of the window, there is a checkbox labeled "Top".

the Laptop.

- Ping [your last name].com from PC and take a screenshot of the outcome.

The screenshot shows a Cisco Packet Tracer simulation interface. At the top, there's a menu bar with tabs: Physical, Config, Desktop (which is selected), Programming, and Attributes. Below the menu is a toolbar with icons for copy, paste, and other functions. A main window titled "Command Prompt" contains the following text:

```
DNS Server.....: 208.67.220.220
C:\>ping 192.168.0.200
Pinging 192.168.0.200 with 32 bytes of data:
Reply from 192.168.0.200: bytes=32 time=40ms TTL=128
Reply from 192.168.0.200: bytes=32 time=4ms TTL=128
Reply from 192.168.0.200: bytes=32 time=9ms TTL=128
Reply from 192.168.0.200: bytes=32 time=11ms TTL=128

Ping statistics for 192.168.0.200:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 4ms, Maximum = 40ms, Average = 16ms

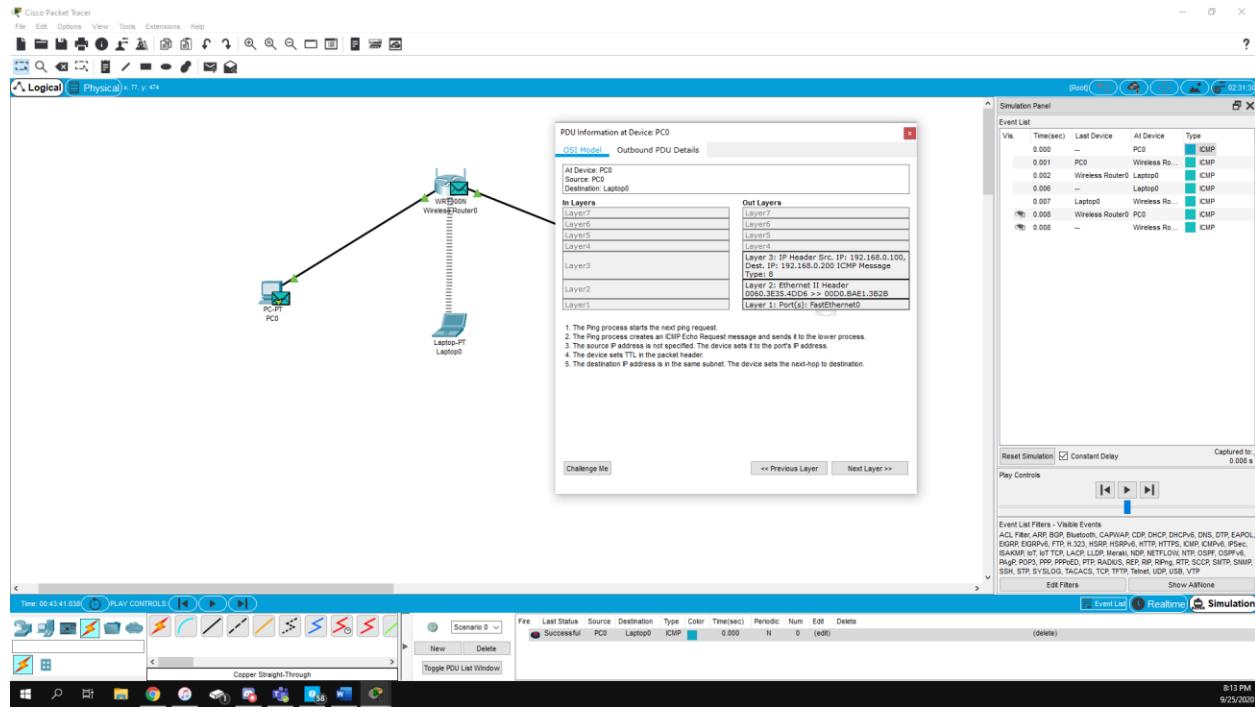
C:\>ping Beisler.com
Pinging 208.67.220.220 with 32 bytes of data:
Reply from 208.67.220.220: bytes=32 time=2ms TTL=127
Reply from 208.67.220.220: bytes=32 time=11ms TTL=127
Reply from 208.67.220.220: bytes=32 time=1ms TTL=127
Reply from 208.67.220.220: bytes=32 time=1ms TTL=127

Ping statistics for 208.67.220.220:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 1ms, Maximum = 11ms, Average = 3ms

C:\>
```

Task 3. Complete Parts 1 and 2 (not 3) in the following file: *3.1.1.3 Packet Tracer - Explore Network Functionality Using PDUs.pdf*.

- Take a screenshot of the **Simulation Panel** (like the one on p.4).



Task 4. Submit your *.pkt file.