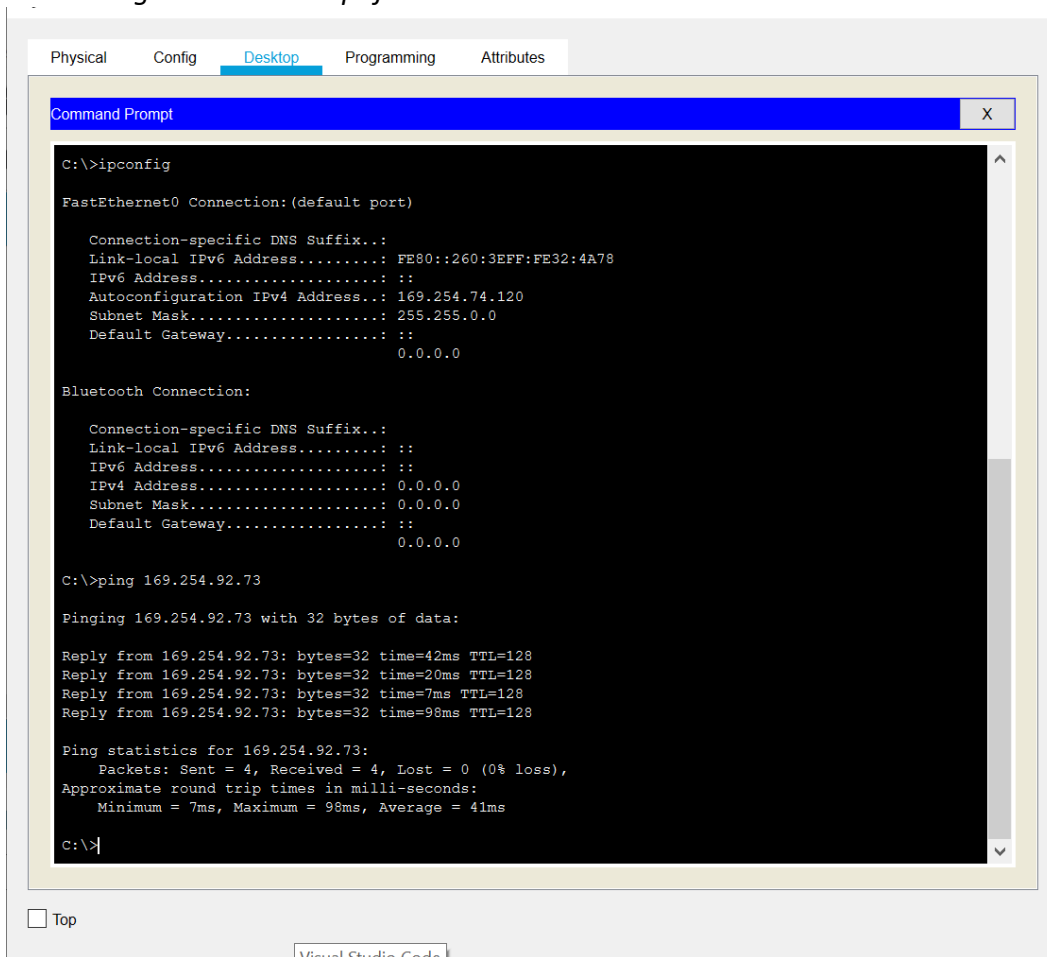# Homework 4 – Packet Tracer

- This is an individual assignment, and is worth 20 points.
- The due date is <u>Friday, September 25 midnight</u>.
- 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*.

```
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.....................: 192.168.0.146
    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=15ms TTL=127
Reply from 208.67.220.220: bytes=32 time=2ms TTL=127
Reply from 208.67.220.220: bytes=32 time=20ms 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 = 2ms, Maximum = 20ms, Average = 9ms

C:\>
```

Task 2. Change the name of the network devices.

```
Packet Tracer PC Command Line 1.0
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=8ms TTL=128
Reply from 192.168.0.200: bytes=32 time=1ms TTL=128
Reply from 192.168.0.200: bytes=32 time=24ms TTL=128
Reply from 192.168.0.200: bytes=32 time=84ms 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 = 1ms, Maximum = 84ms, Average = 29ms

C:\>
```

-

```
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 Wantland.com

Pinging 208.67.220.220 with 32 bytes of data:

Reply from 208.67.220.220: bytes=32 time=17ms TTL=127
Reply from 208.67.220.220: bytes=32 time=10ms TTL=127
Reply from 208.67.220.220: bytes=32 time=31ms TTL=127
Reply from 208.67.220.220: bytes=32 time=18ms 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 = 10ms, Maximum = 31ms, Average = 19ms

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*.

Task 4. Submit your *.pkt file.