

Worksheet – 2.4

Student Name: Vivek Kumar

UID: 21BCS8129

Branch: BE-CSE (LEET)

Section/Group: 809/A

Semester: 4th

Date of Performance: 28/04/2022

Subject Name: Computer Network Lab

Subject Code: 20CSP-257

1. Aim/Overview of the practical:

Create a network that implement the FTP server.

2. Task to be done/ Which logistics used:

Create a network that implement the FTP server.

Prerequisites:

S/W:

- Laptop/Desktop
- CISCO Packet Tracer program

H/W:

- Main Memory - 128 MB RAM
- Hard Disk – minimum 20 GB IDE Hard Disk
- 44 MB Floppy Disk Drive
- –52X IDE CD-ROM Drive
- PS/2 HCL

3. Steps for experiment/Code with Result/Output:

Theory: The computer which uses FTP to transfer data is called the FTP server. It stores and shares client data. Every day thousands of files on the Internet are transferred from one computer to another. Most of these files are transferred via the FTP server. It is an essential component of the FTP architecture.

Feature of FTP server:

1. It provides anonymous access, which means that it permits the user to download data from the server, but it prevents the uploading of the data to the server.

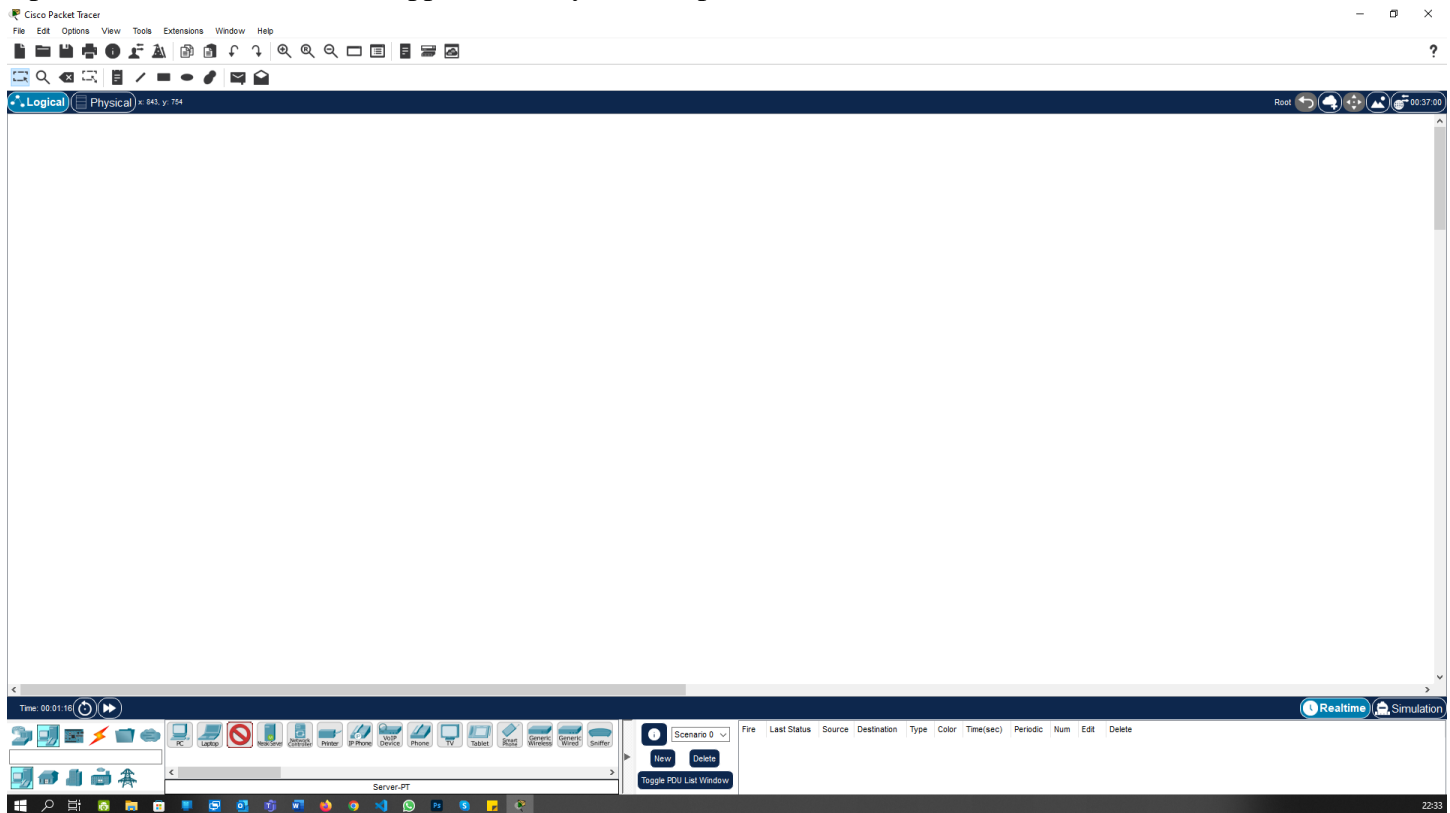
2. FTP server is very useful for those people whose internet speed is very slow.
3. If the download fails for any reason in the FTP server, you can resume that downloading.

Advantages of the FTP server:

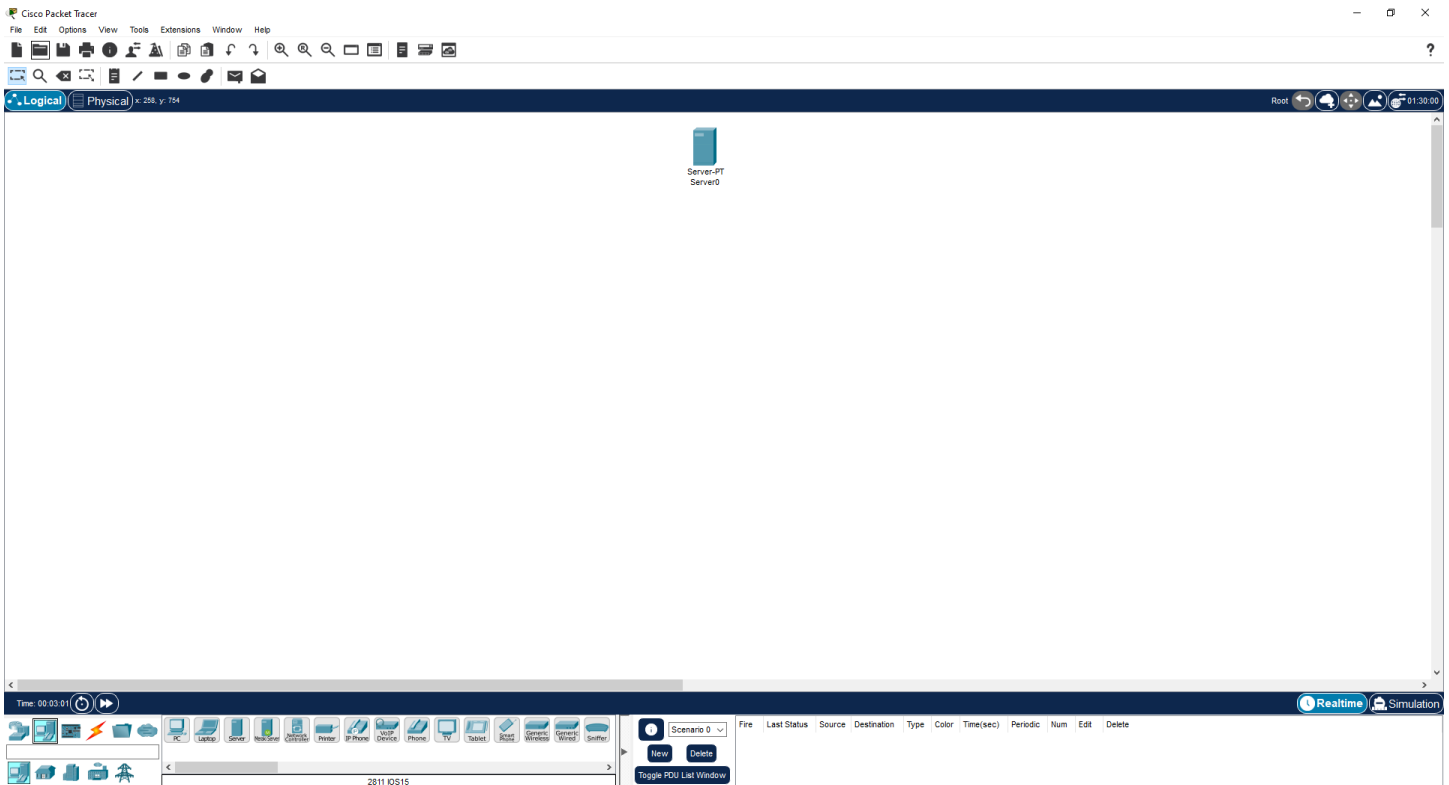
1. The FTP server provides ultimate protection for client data. It gives you the added assurance that your data won't fall into the wrong hands because it stores your data in the encrypted form.
2. If the download fails for any reason in the FTP server, you can resume that downloading.
3. In an FTP server, there is no memory limit to store data.

Procedure:

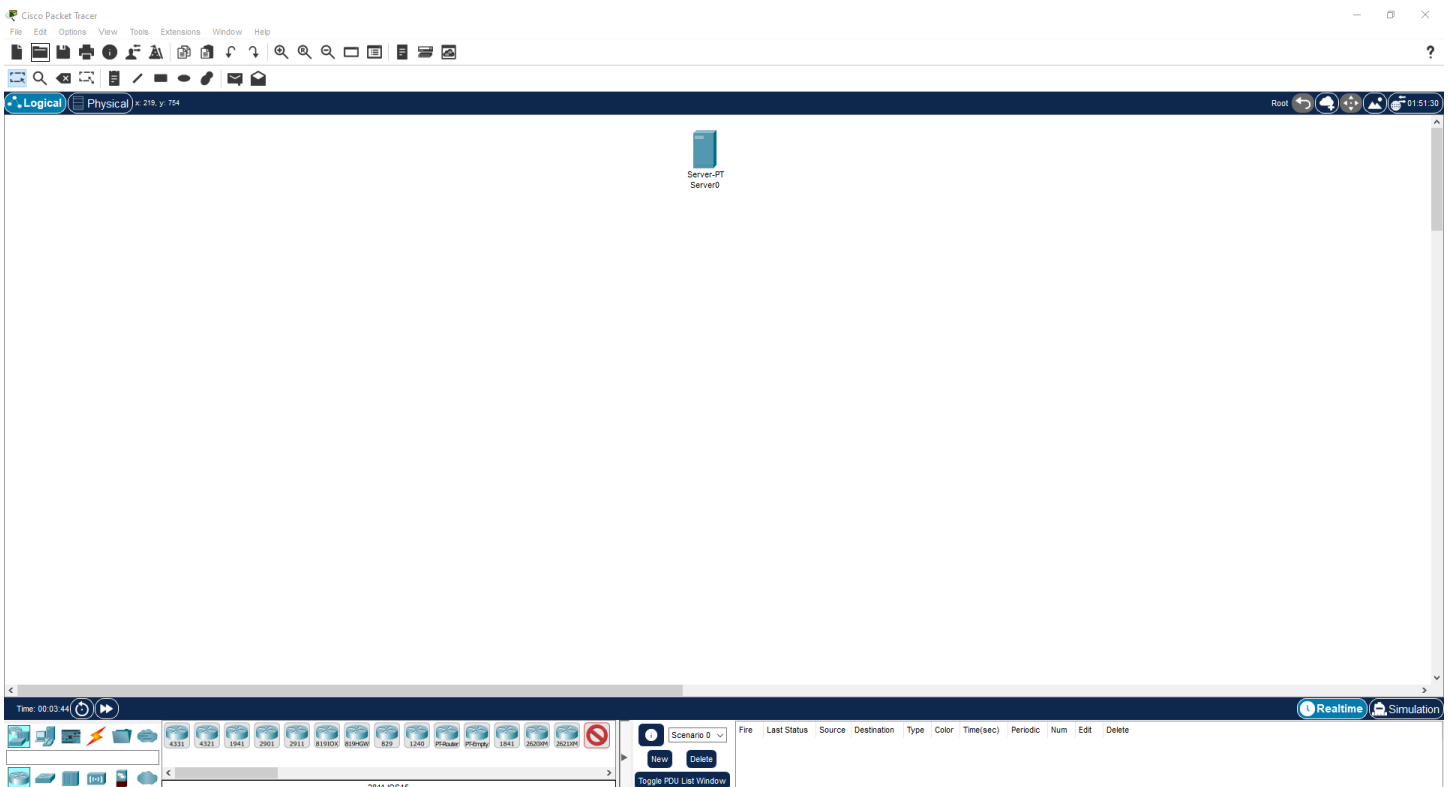
Open the Cisco Packet Tracer Application in your Computer



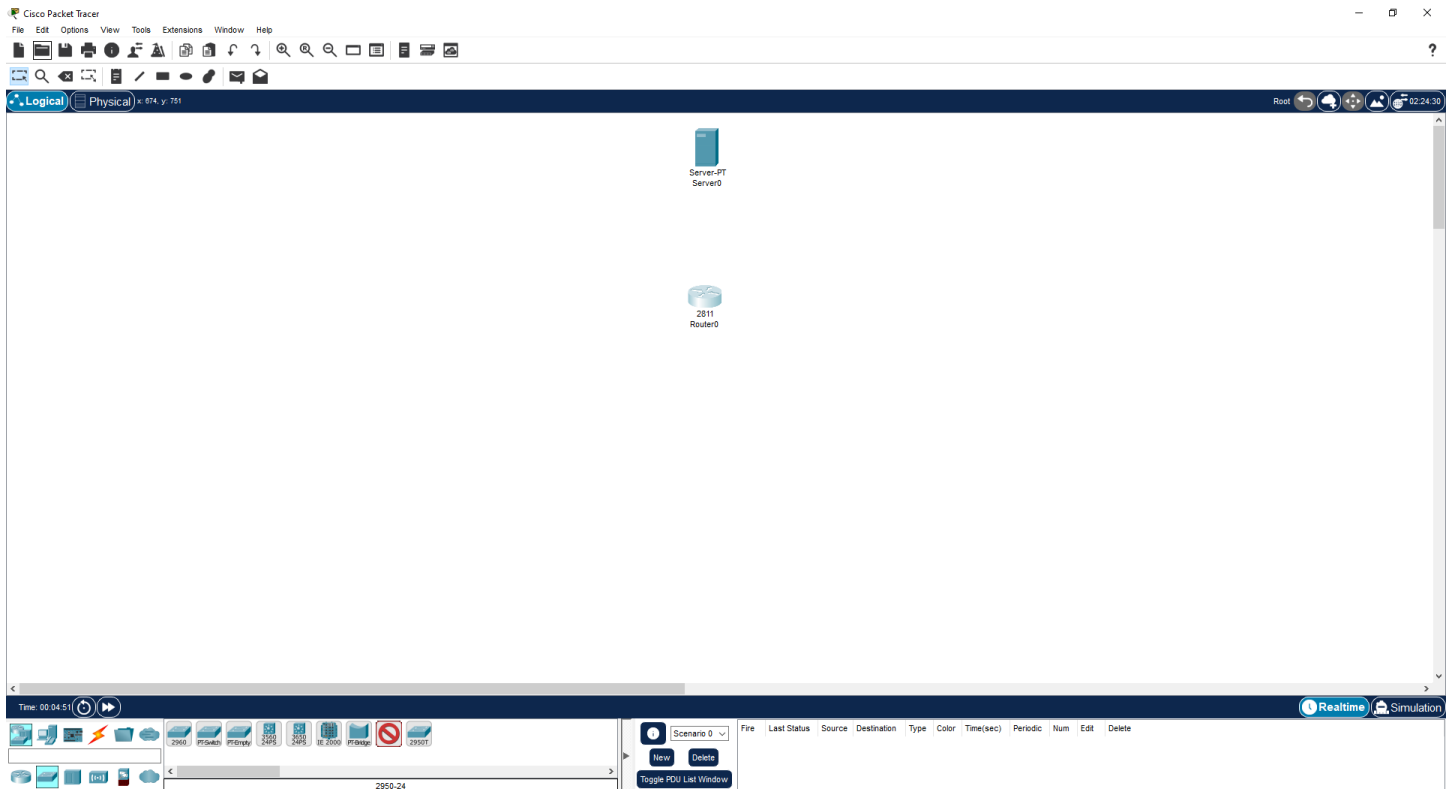
Go to the Bottom Bar “End Devices” and create the Server:



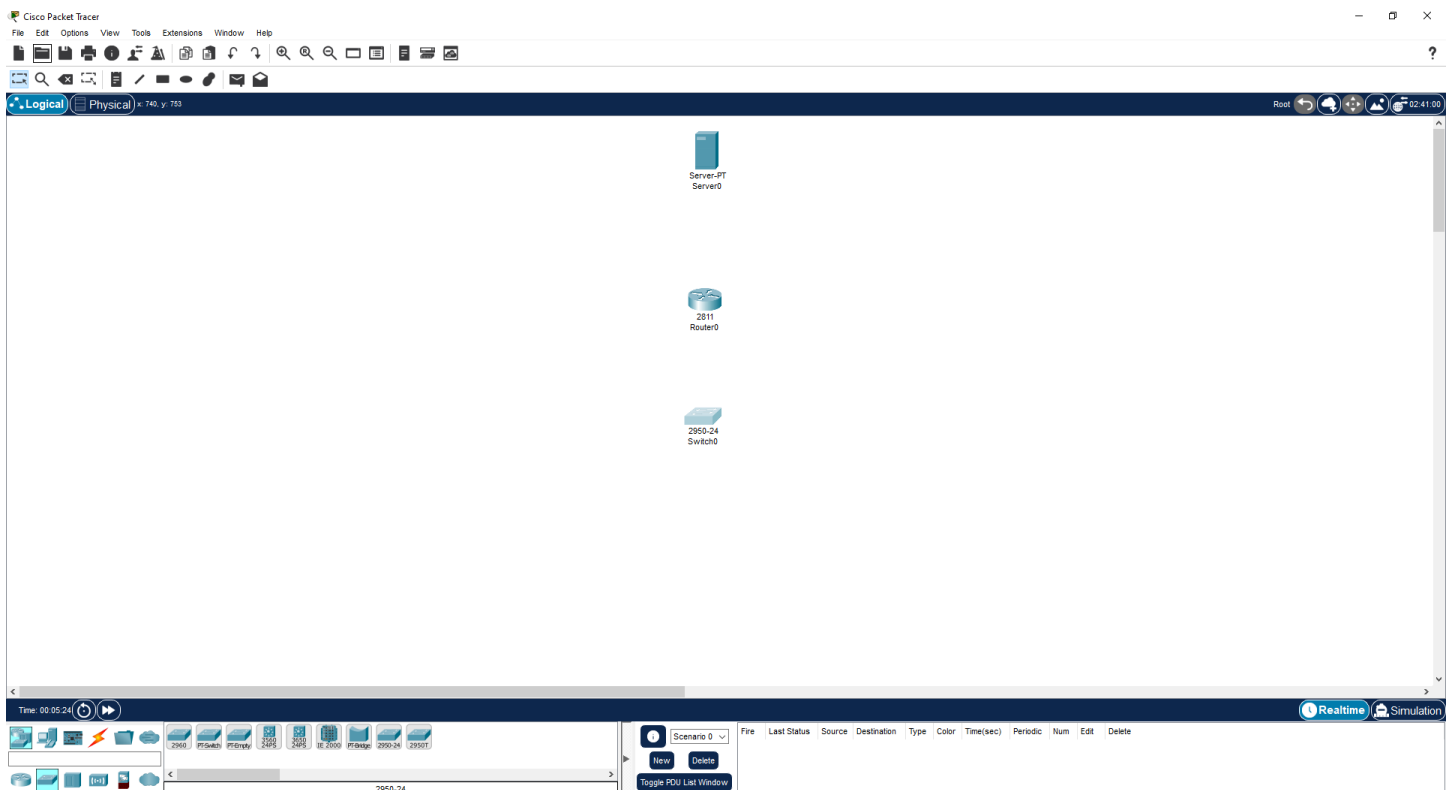
Go to network Devices and Select the Router 2811:



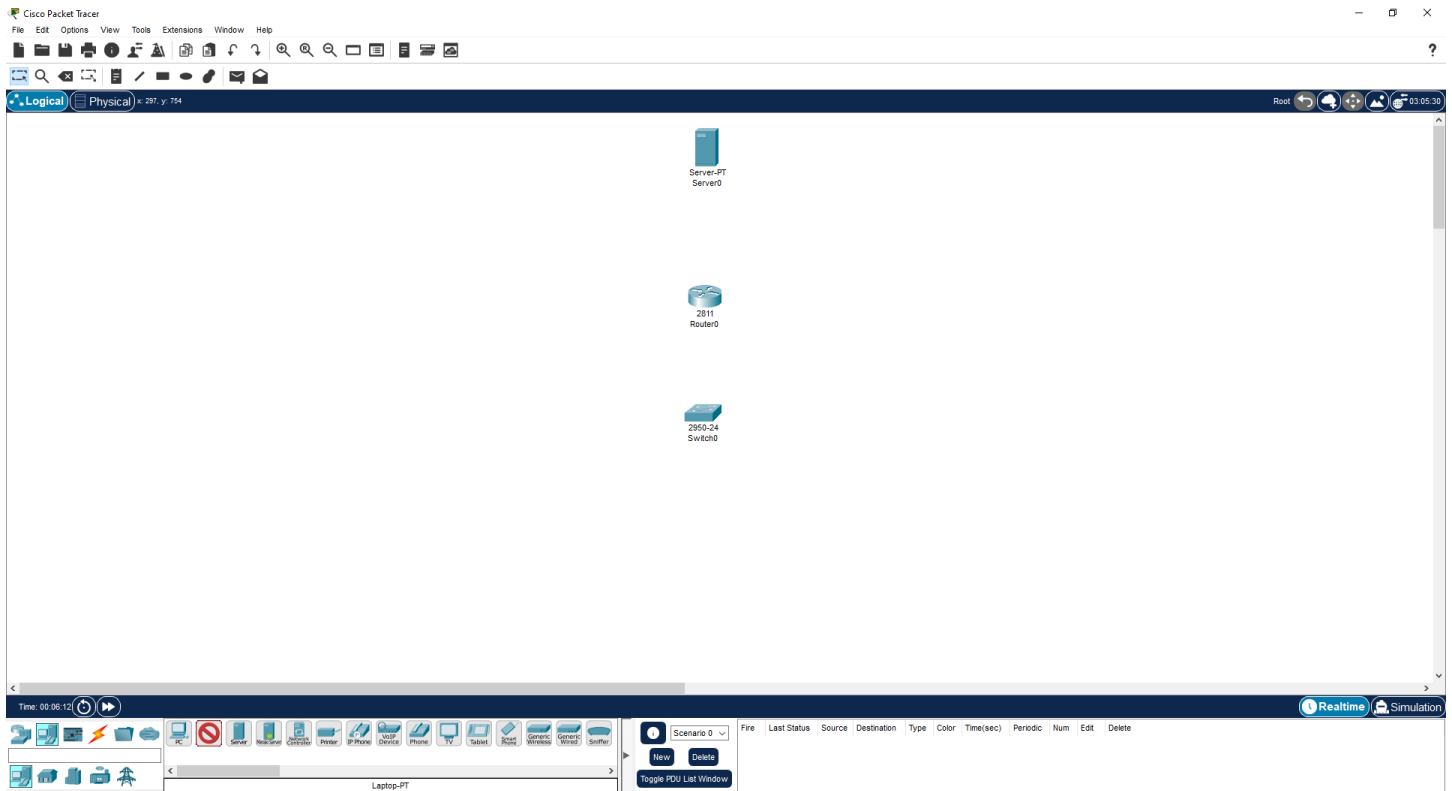
Now Create the Router 2811:



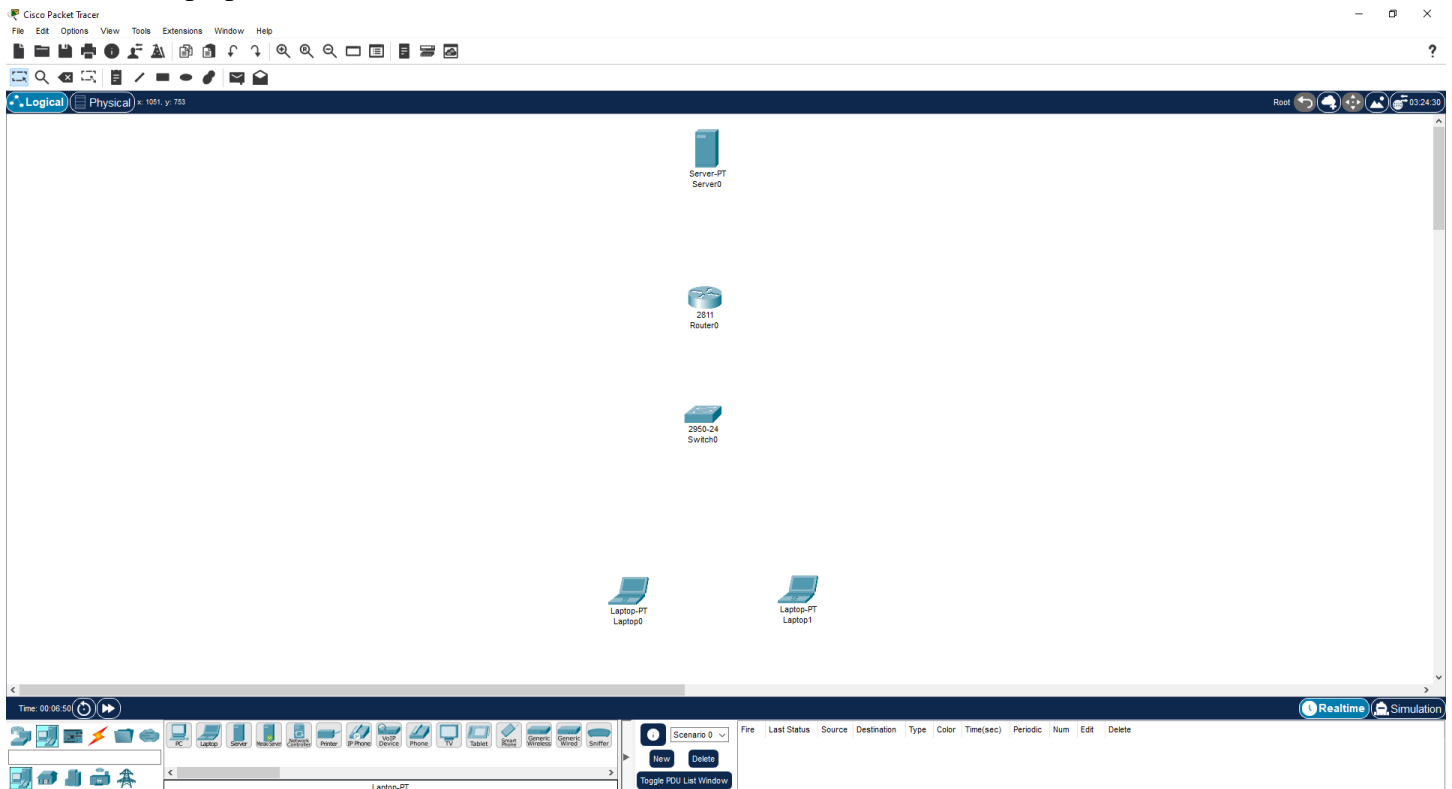
Select the Switch 2950-24 and create it:



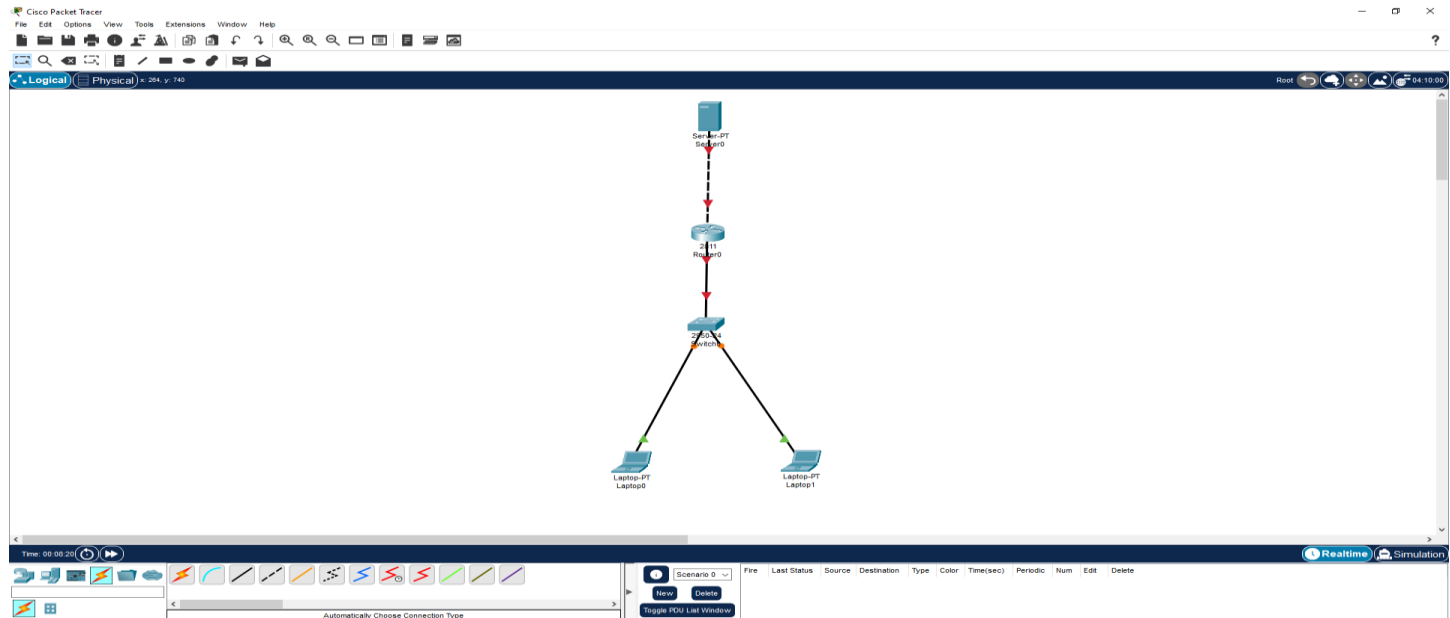
Again select the end devices and Select the Laptop:



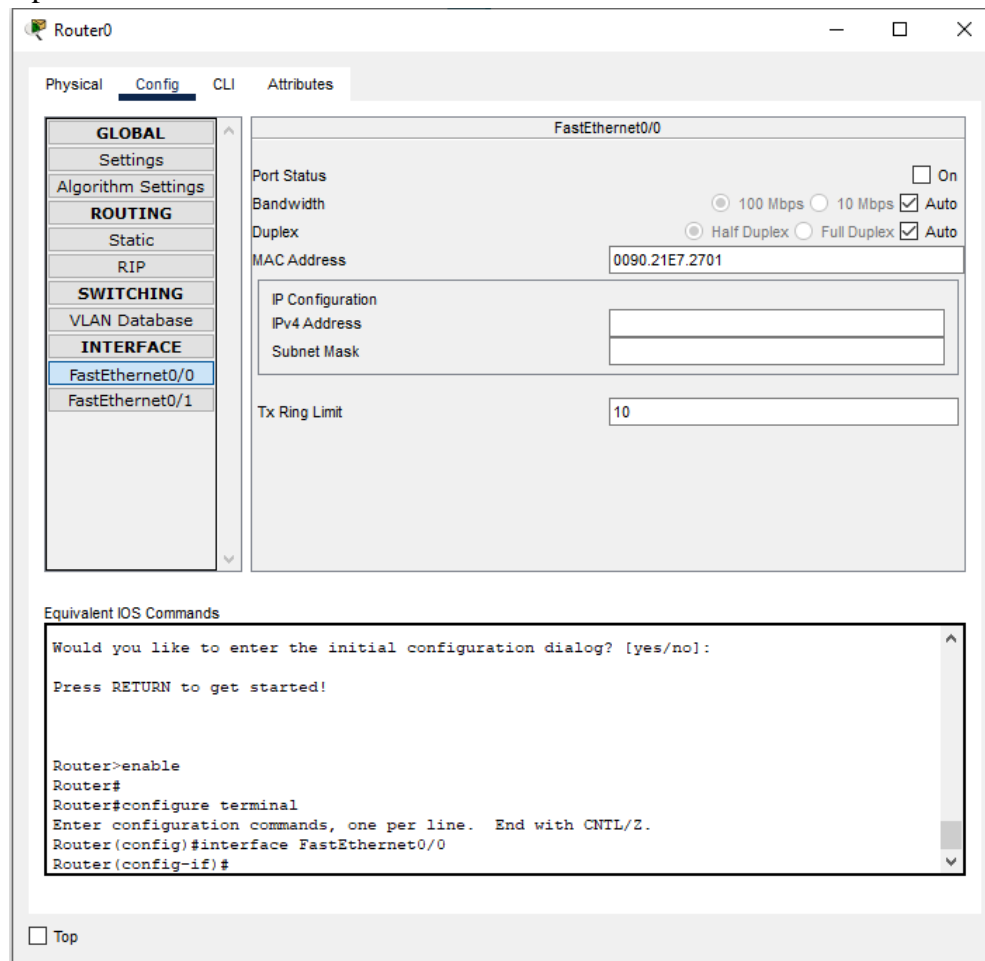
Create the 2 laptop in it:



Select Connections from bottom bar and Do the Connection of all Devices using automatic wire type:



Open the router FastEthernet0/0:



The image shows the 'Router0' configuration window in Cisco Packet Tracer, specifically the 'Config' tab for the 'FastEthernet0/0' interface. The 'Physical' tab is also visible. The 'Config' tab shows the following settings:

- Port Status:** On (checked)
- Bandwidth:** 100 Mbps (selected), 10 Mbps (unselected), Auto (checked)
- Duplex:** Half Duplex (selected), Full Duplex (unselected), Auto (checked)
- MAC Address:** 0090.21E7.2701
- IP Configuration:**
 - IPv4 Address: (empty field)
 - Subnet Mask: (empty field)
- Tx Ring Limit:** 10

Below the configuration fields, there is a section for 'Equivalent IOS Commands' which shows the following commands:

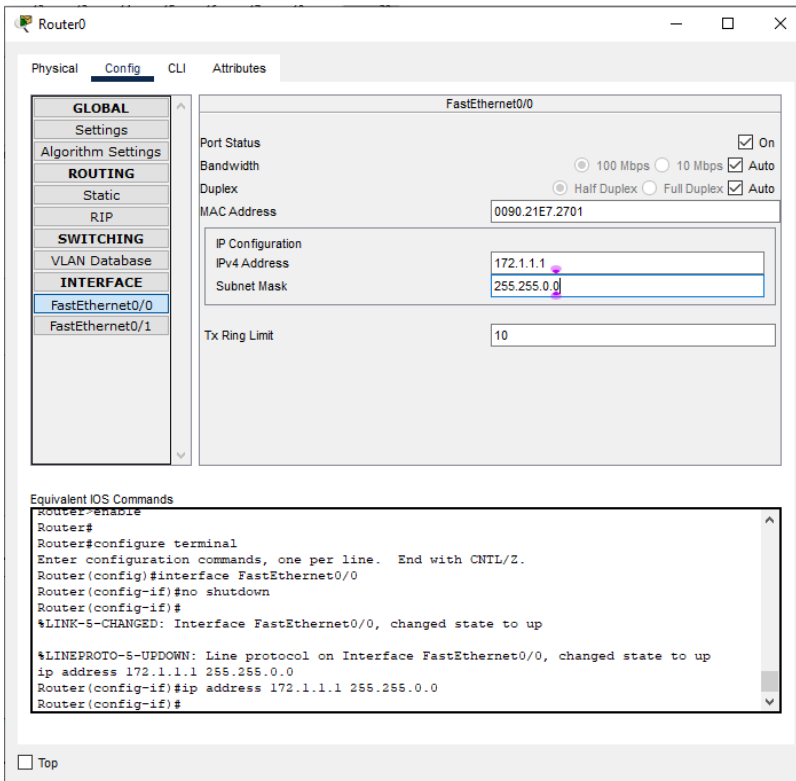
```

Would you like to enter the initial configuration dialog? [yes/no]:
Press RETURN to get started!

Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
  
```

At the bottom left, there is a 'Top' button.

Assign the IP address for the port which is connected to Switch:



Router0

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet0/0

Port Status ☒ On

Bandwidth ☐ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☐ Full Duplex ☒ Auto

MAC Address 0090.21E7.2701

IP Configuration

IPv4 Address 172.1.1.1

Subnet Mask 255.255.0.0

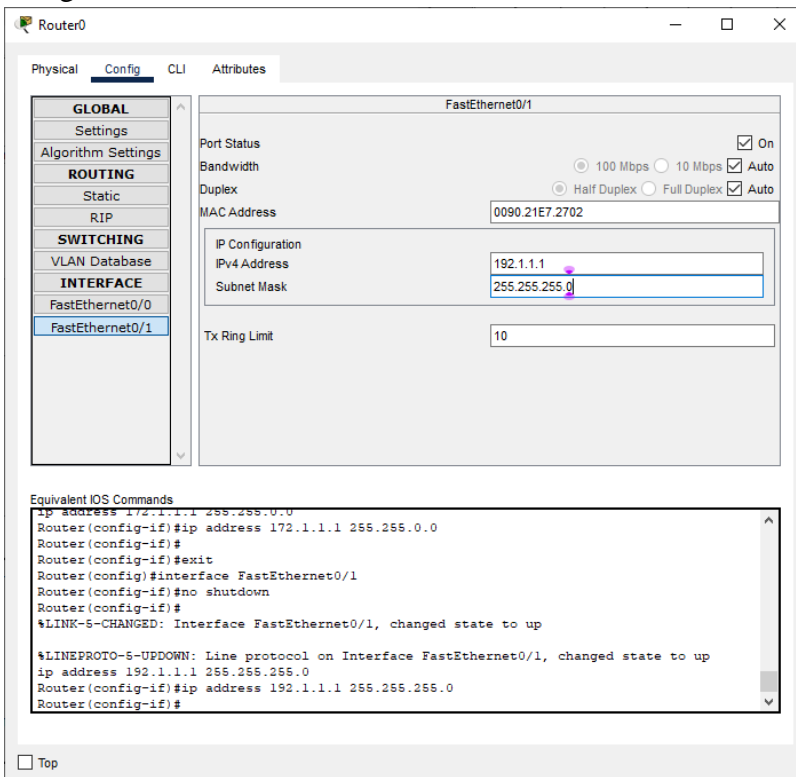
Tx Ring Limit 10

Equivalent IOS Commands

```
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
ip address 172.1.1.1 255.255.0.0
Router(config-if)#ip address 172.1.1.1 255.255.0.0
Router(config-if)#
```

☐ Top

Assign the IP address for the FastEthernet0/1 which is connected to server:



Router0

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet0/1

Port Status ☒ On

Bandwidth ☐ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☐ Full Duplex ☒ Auto

MAC Address 0090.21E7.2702

IP Configuration

IPv4 Address 192.1.1.1

Subnet Mask 255.255.255.0

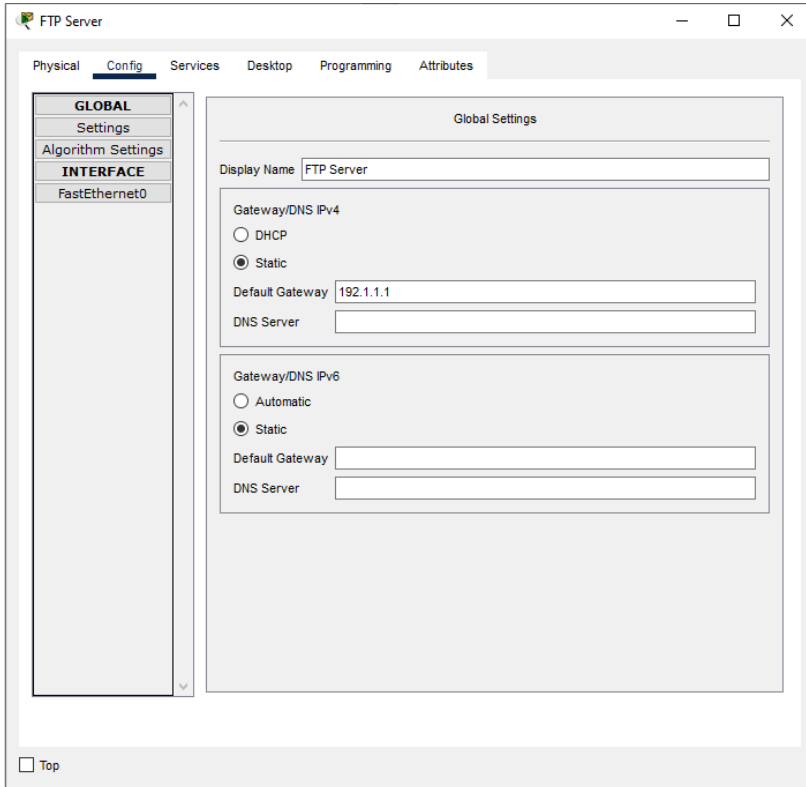
Tx Ring Limit 10

Equivalent IOS Commands

```
ip address 172.1.1.1 255.255.0.0
Router(config-if)#ip address 172.1.1.1 255.255.0.0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
ip address 192.1.1.1 255.255.255.0
Router(config-if)#ip address 192.1.1.1 255.255.255.0
Router(config-if)#
```

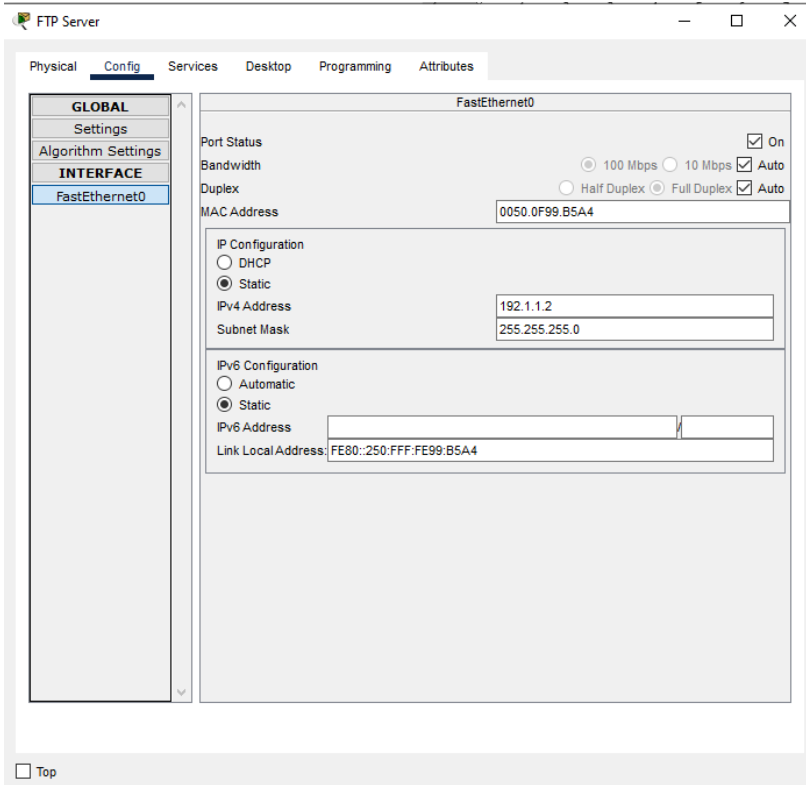
☐ Top

Open the server Config and Change the Display name to FTP Server:



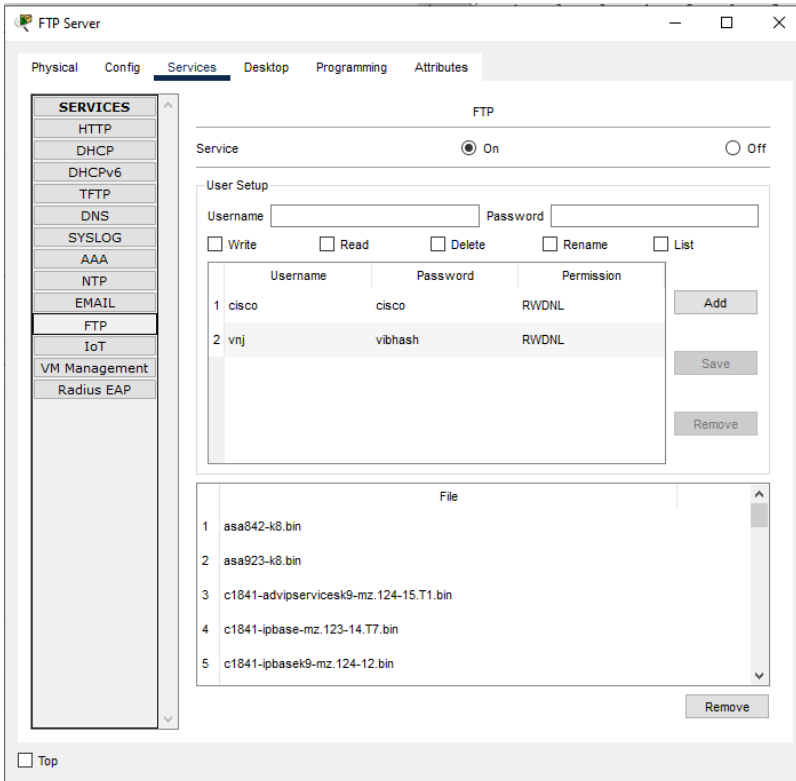
The screenshot shows the 'FTP Server' configuration window with the 'Config' tab selected. The left sidebar shows a tree view with 'GLOBAL' expanded, containing 'Settings', 'Algorithm Settings', and 'INTERFACE'. Under 'INTERFACE', 'FastEthernet0' is selected. The main area displays 'Global Settings' for 'FastEthernet0'. The 'Display Name' is set to 'FTP Server'. The 'Gateway/DNS IPv4' section has 'Static' selected, with 'Default Gateway' set to '192.1.1.1' and 'DNS Server' empty. The 'Gateway/DNS IPv6' section has 'Static' selected, with 'Default Gateway' and 'DNS Server' both empty.

Open the router FastEthernet0 and Assign the IP Address to it:



The screenshot shows the 'FastEthernet0' configuration window with the 'Config' tab selected. The left sidebar shows a tree view with 'GLOBAL' expanded, containing 'Settings', 'Algorithm Settings', and 'INTERFACE'. Under 'INTERFACE', 'FastEthernet0' is selected. The main area displays 'FastEthernet0' configuration. 'Port Status' is checked 'On'. 'Bandwidth' is set to '100 Mbps'. 'Duplex' is set to 'Full Duplex'. 'MAC Address' is '0050.0F99.B5A4'. The 'IP Configuration' section has 'Static' selected, with 'IPv4 Address' set to '192.1.1.2' and 'Subnet Mask' set to '255.255.255.0'. The 'IPv6 Configuration' section has 'Static' selected, with 'IPv6 Address' empty and 'Link Local Address' set to 'FE80::250:FFF:FE99:B5A4'.

Go to Services select FTP and Add a new User with your name and all permission:



FTP Server

Physical Config **Services** Desktop Programming Attributes

SERVICES

- HTTP
- DHCP
- DHCPv6
- TFTP
- DNS
- SYSLOG
- AAA
- NTP
- EMAIL
- FTP**
- IoT
- VM Management
- Radius EAP

FTP

Service ☒ On ☐ Off

User Setup

Username Password

☐ Write ☐ Read ☐ Delete ☐ Rename ☐ List

	Username	Password	Permission	
1	cisco	cisco	RWDNL	Add
2	vni	vibhash	RWDNL	Save

Remove

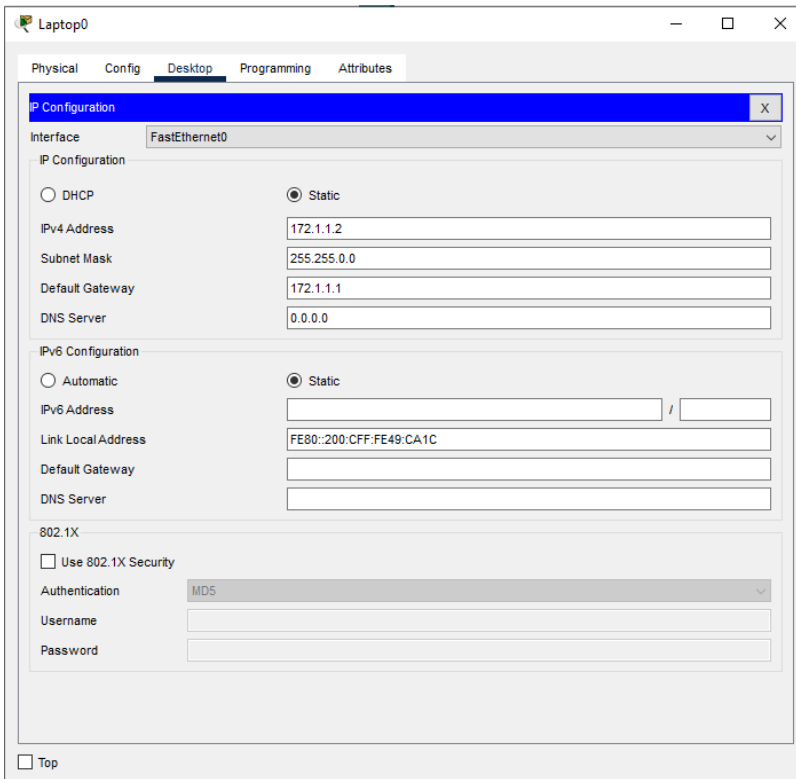
File

- asa842-k8.bin
- asa923-k8.bin
- c1841-advipservicesk9-mz.124-15.T1.bin
- c1841-ipbase-mz.123-14.T7.bin
- c1841-ipbasek9-mz.124-12.bin

Remove

☐ Top

Open the Laptop0 and Assign the IP Address to it and Give the Default gateway which IP is assigned to the Router:



Laptop0

Physical Config **Desktop** Programming Attributes

IP Configuration

Interface: FastEthernet0

IP Configuration

☐ DHCP ☒ Static

IPv4 Address: 172.1.1.2

Subnet Mask: 255.255.0.0

Default Gateway: 172.1.1.1

DNS Server: 0.0.0.0

IPv6 Configuration

☐ Automatic ☒ Static

IPv6 Address: /

Link Local Address: FE80::200:CFF:FE49:CA1C

Default Gateway:

DNS Server:

802.1X

☐ Use 802.1X Security

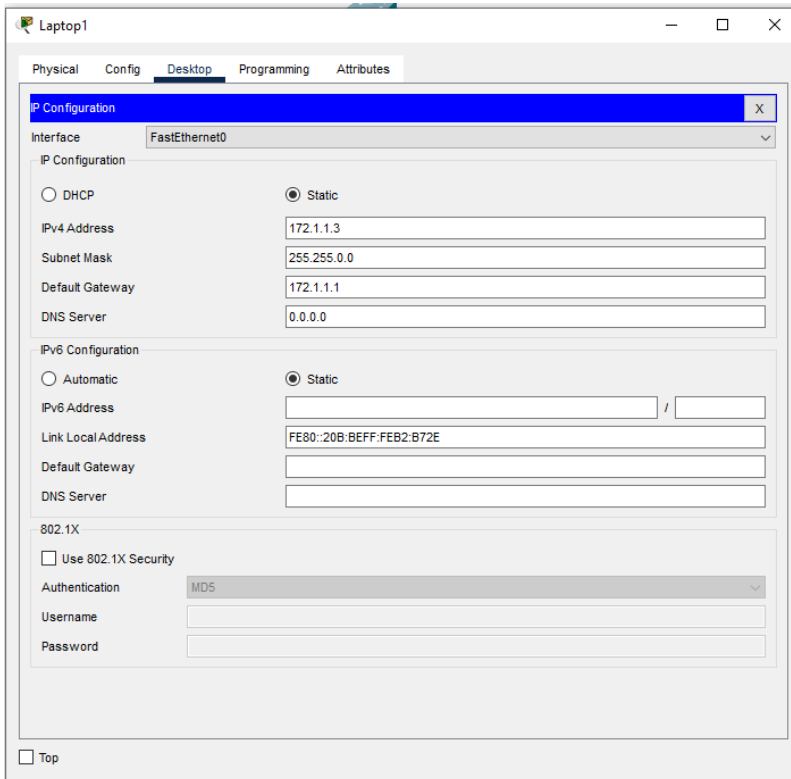
Authentication: MD5

Username:

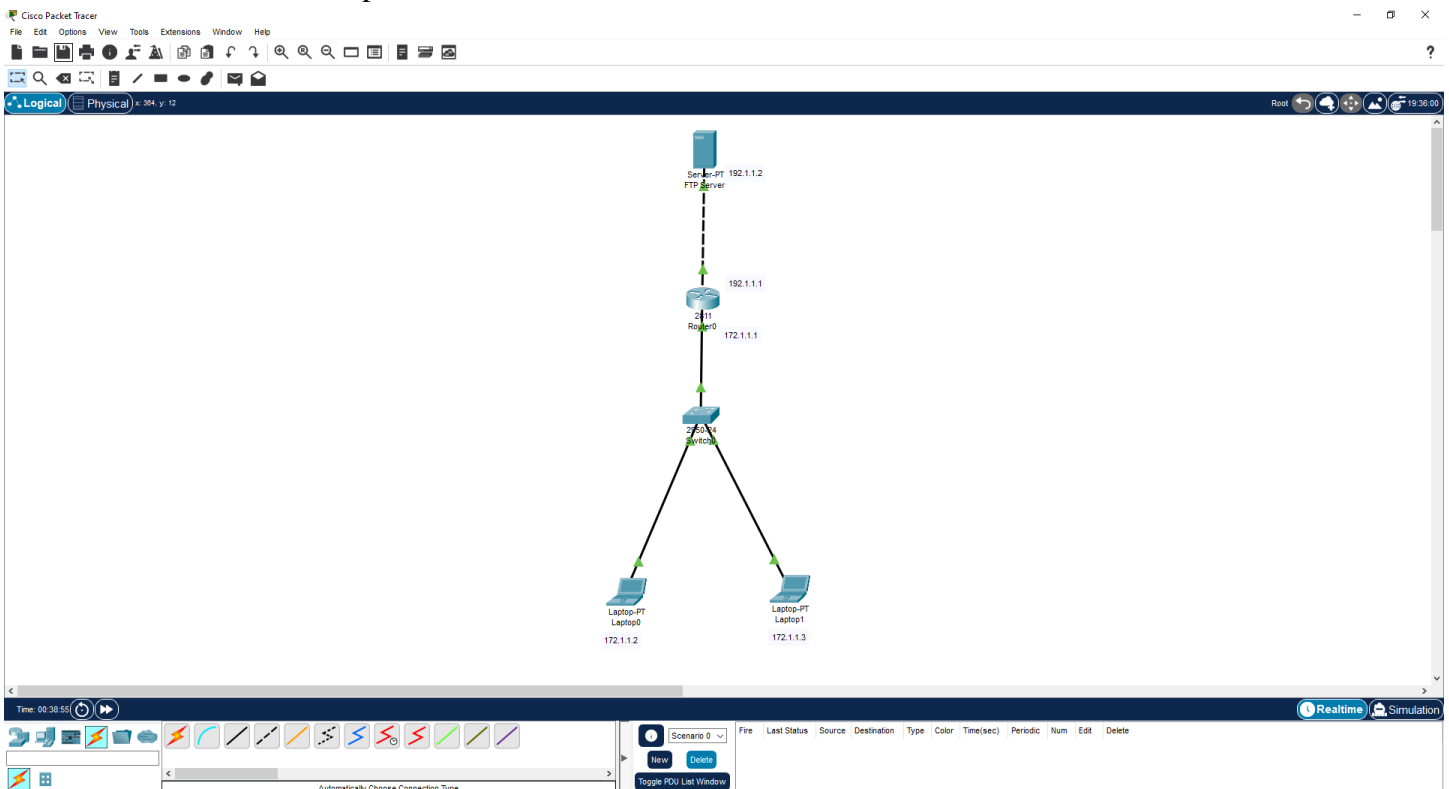
Password:

☐ Top

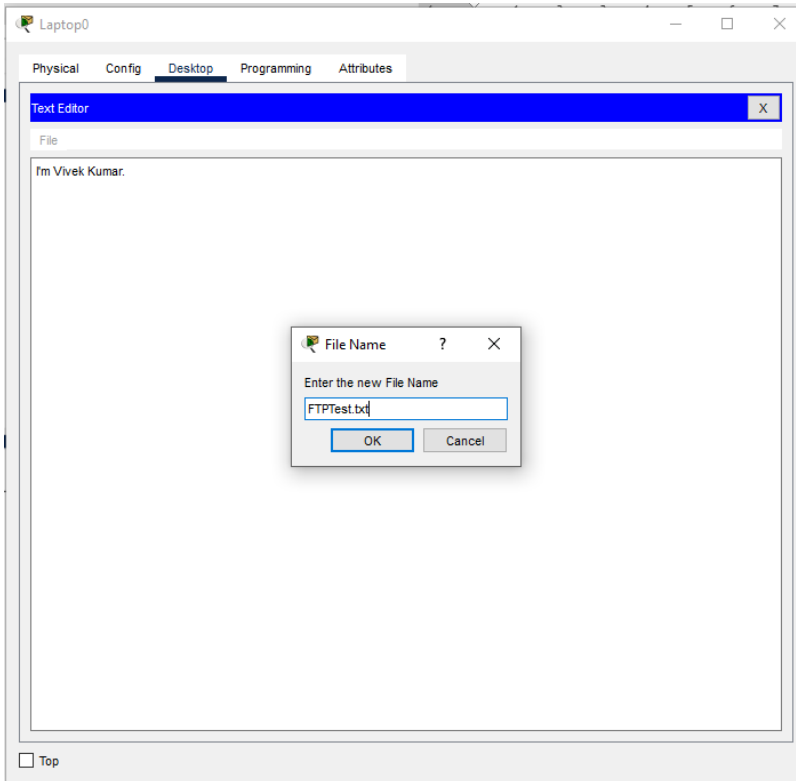
Open the Laptop1 and Assign the IP Address to it and Give the Default gateway which IP is assigned to the Router:



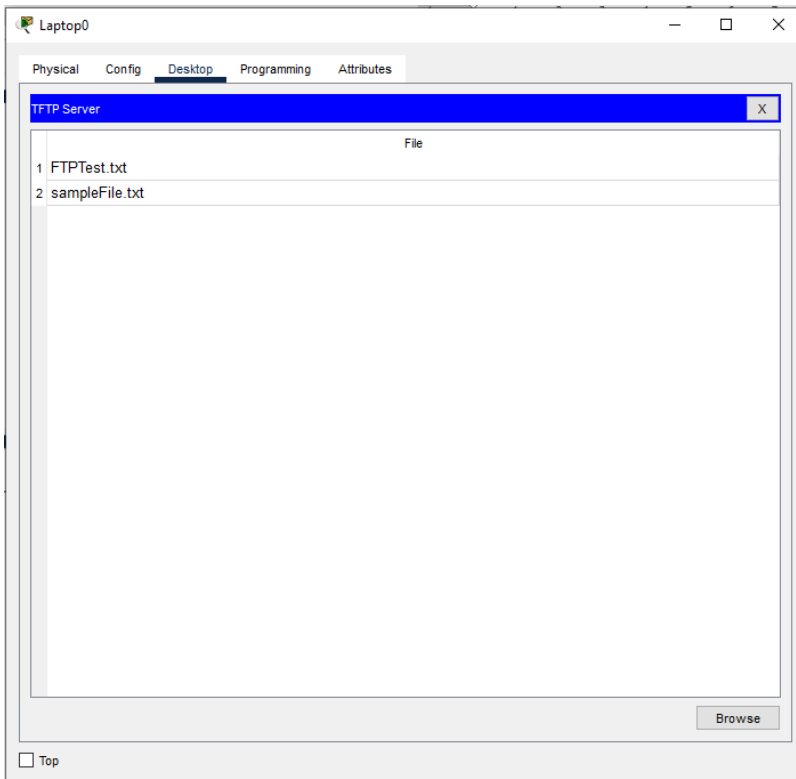
Now our Connection is Completed:



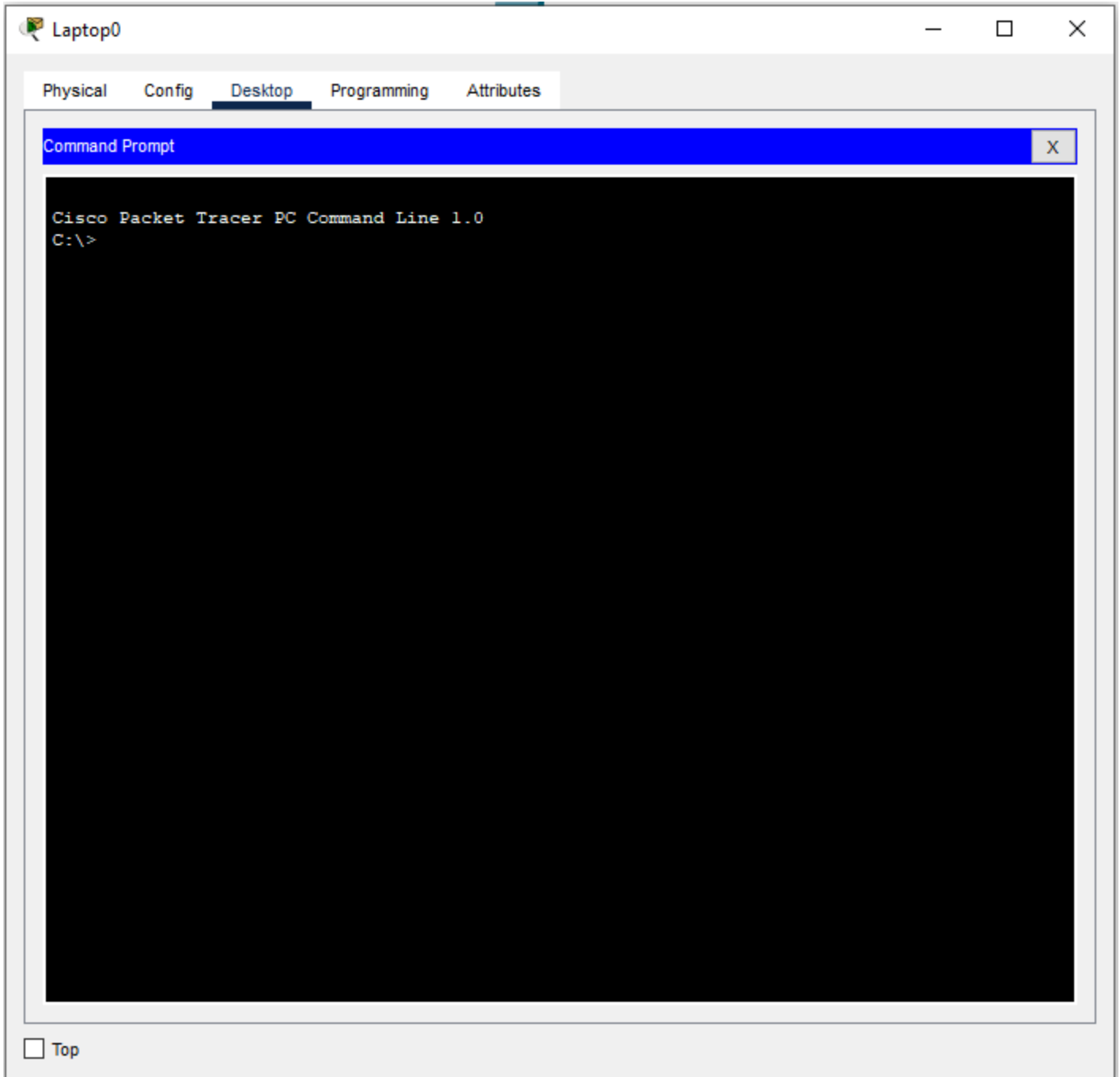
Now Open the Laptop0's Test Editor and create a new file and give the Name: I have named it as **FTPTTest.txt**



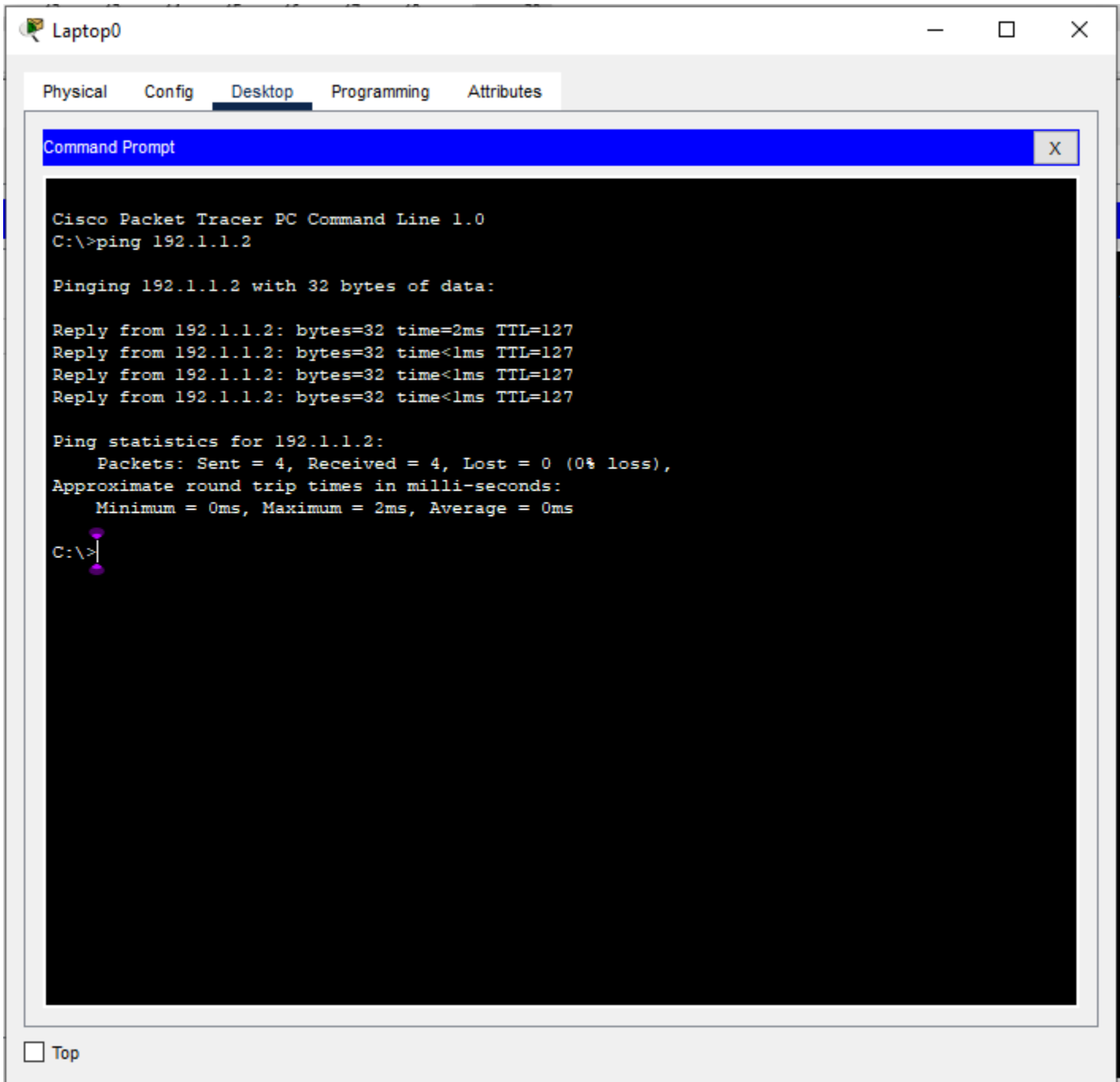
Check your file by opening TFTP Server in the Laptop0:



Open the Terminal of laptop0:



Run the ping Command with the Server IP Address to Check the Connection with The Server:



The screenshot shows a Cisco Packet Tracer PC Command Line window for a device named 'Laptop0'. The window has tabs for Physical, Config, Desktop, Programming, and Attributes, with 'Desktop' selected. The Command Prompt window displays the following output:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.1.1.2

Pinging 192.1.1.2 with 32 bytes of data:

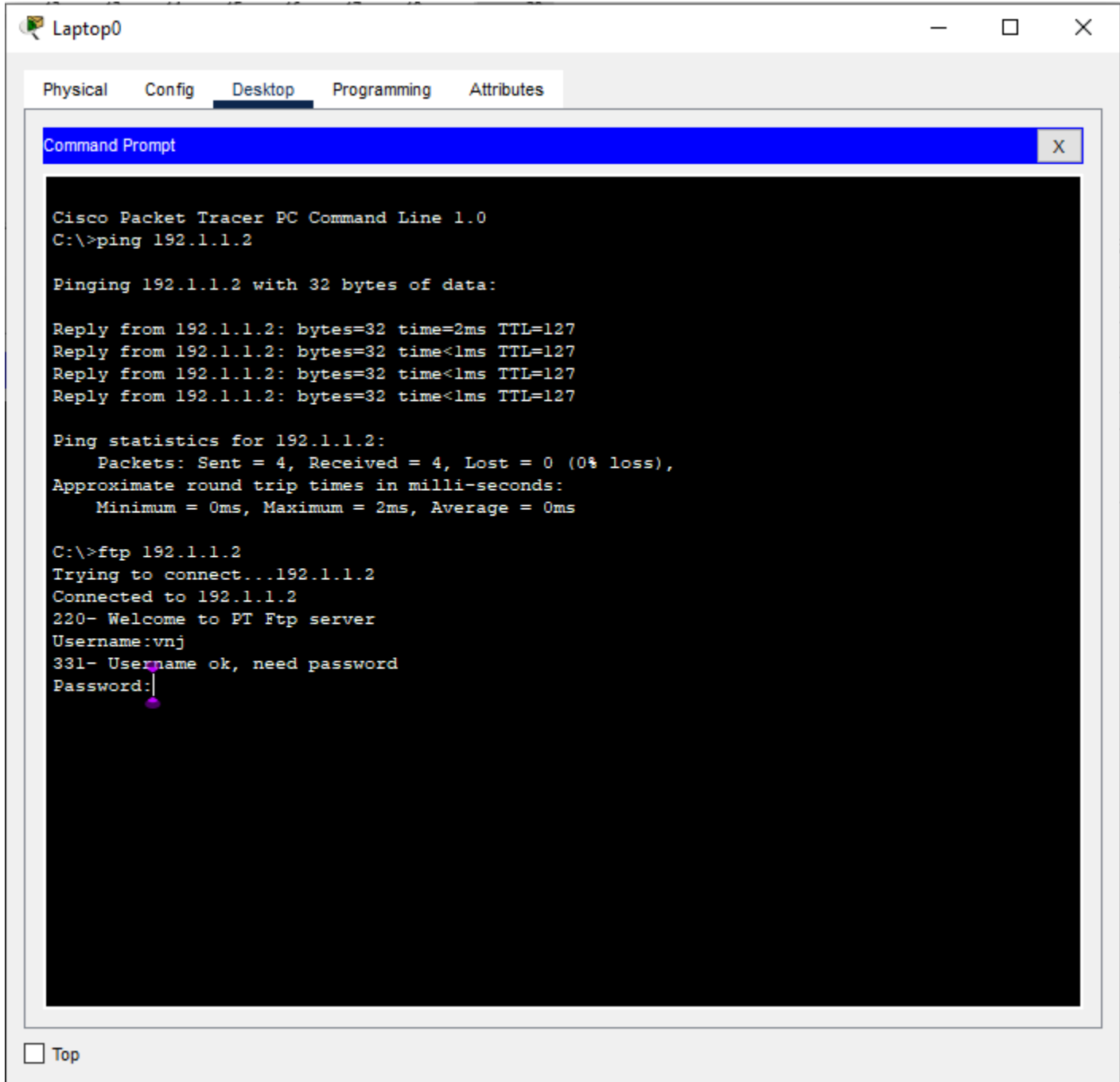
Reply from 192.1.1.2: bytes=32 time=2ms TTL=127
Reply from 192.1.1.2: bytes=32 time<1ms TTL=127
Reply from 192.1.1.2: bytes=32 time<1ms TTL=127
Reply from 192.1.1.2: bytes=32 time<1ms TTL=127

Ping statistics for 192.1.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 2ms, Average = 0ms

C:\>
```

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

Now Run the FTP command with Server IP Address to login the Server in our Laptop0 and give the Username and Password of the user which we have created in the Server and Press Enter:



```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.1.1.2

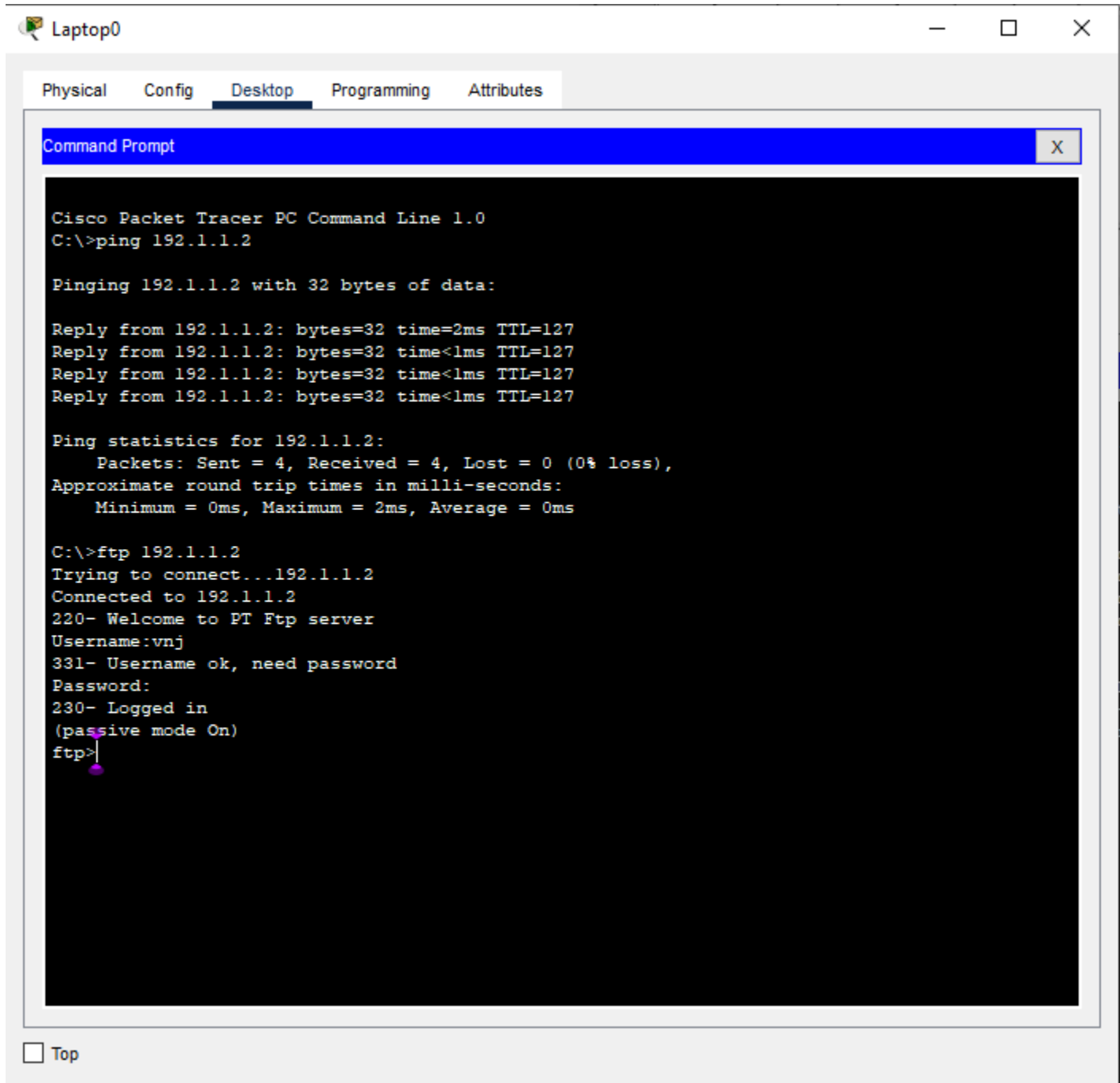
Pinging 192.1.1.2 with 32 bytes of data:

Reply from 192.1.1.2: bytes=32 time=2ms TTL=127
Reply from 192.1.1.2: bytes=32 time<1ms TTL=127
Reply from 192.1.1.2: bytes=32 time<1ms TTL=127
Reply from 192.1.1.2: bytes=32 time<1ms TTL=127

Ping statistics for 192.1.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 2ms, Average = 0ms

C:\>ftp 192.1.1.2
Trying to connect...192.1.1.2
Connected to 192.1.1.2
220- Welcome to PT Ftp server
Username:vnj
331- Username ok, need password
Password:|
```

Now we have logged in the server:



The screenshot shows a Cisco Packet Tracer PC Command Line window titled "Laptop0". The window has tabs for Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is active, displaying a Command Prompt window. The Command Prompt shows the following output:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.1.1.2

Pinging 192.1.1.2 with 32 bytes of data:

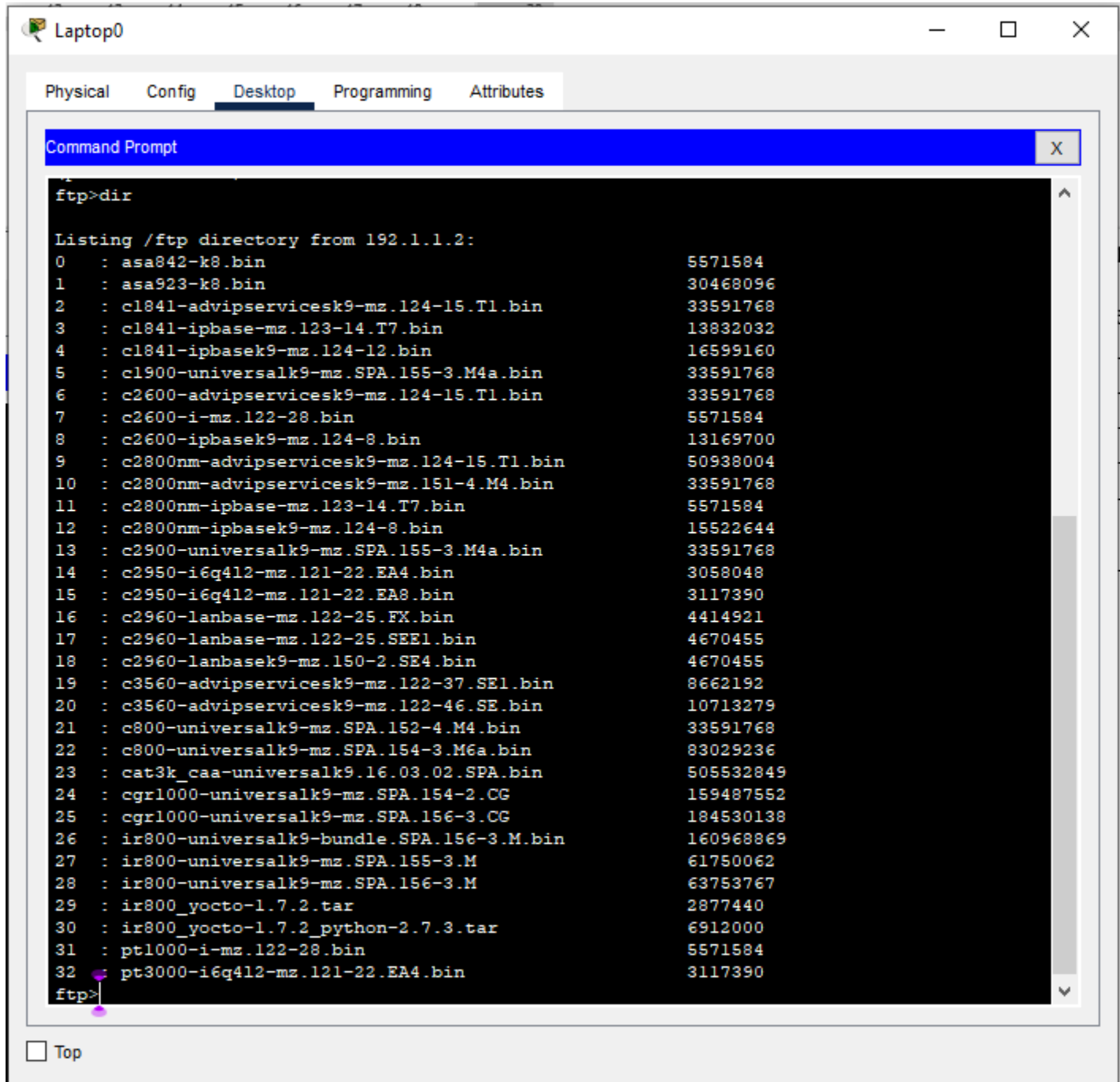
Reply from 192.1.1.2: bytes=32 time=2ms TTL=127
Reply from 192.1.1.2: bytes=32 time<1ms TTL=127
Reply from 192.1.1.2: bytes=32 time<1ms TTL=127
Reply from 192.1.1.2: bytes=32 time<1ms TTL=127

Ping statistics for 192.1.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 2ms, Average = 0ms

C:\>ftp 192.1.1.2
Trying to connect...192.1.1.2
Connected to 192.1.1.2
220- Welcome to PT Ftp server
Username:vnj
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>
```

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

Run the DIR command to check the Files and Directories available in our server:



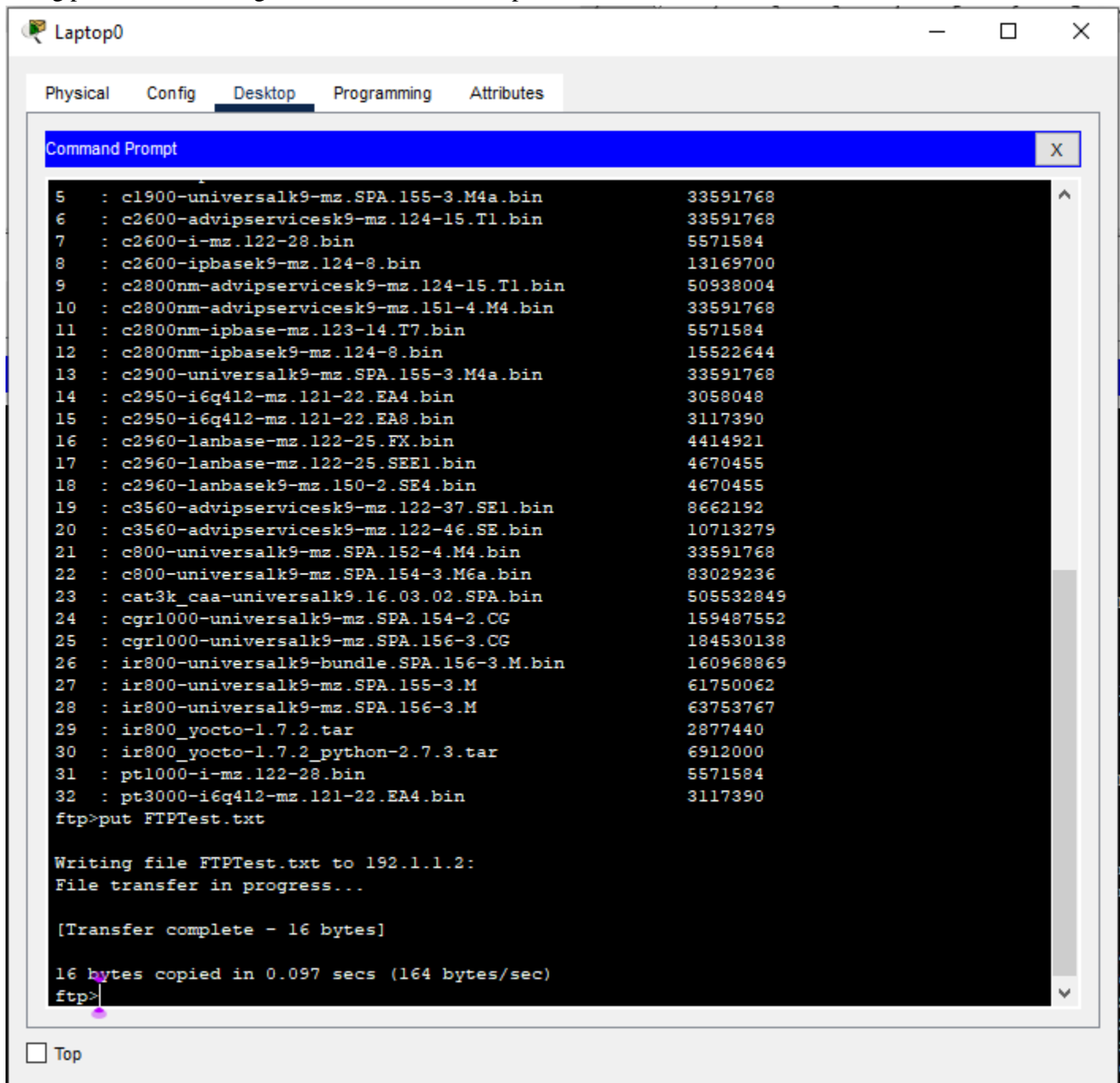
The screenshot shows a Windows Command Prompt window titled "Laptop0". The window has tabs for "Physical", "Config", "Desktop", "Programming", and "Attributes". The "Desktop" tab is active. Inside the Command Prompt, the command "ftp>dir" has been entered, and the output is displayed as follows:

```

Listing /ftp directory from 192.1.1.2:
 0 : asa842-k8.bin                    5571584
 1 : asa923-k8.bin                    30468096
 2 : c1841-advipservicesk9-mz.124-15.T1.bin 33591768
 3 : c1841-ipbase-mz.123-14.T7.bin    13832032
 4 : c1841-ipbasek9-mz.124-12.bin    16599160
 5 : c1900-universalk9-mz.SPA.155-3.M4a.bin 33591768
 6 : c2600-advipservicesk9-mz.124-15.T1.bin 33591768
 7 : c2600-i-mz.122-28.bin           5571584
 8 : c2600-ipbasek9-mz.124-8.bin     13169700
 9 : c2800nm-advipservicesk9-mz.124-15.T1.bin 50938004
10 : c2800nm-advipservicesk9-mz.151-4.M4.bin 33591768
11 : c2800nm-ipbase-mz.123-14.T7.bin  5571584
12 : c2800nm-ipbasek9-mz.124-8.bin   15522644
13 : c2900-universalk9-mz.SPA.155-3.M4a.bin 33591768
14 : c2950-i6q412-mz.121-22.EA4.bin  3058048
15 : c2950-i6q412-mz.121-22.EA8.bin  3117390
16 : c2960-lanbase-mz.122-25.FX.bin   4414921
17 : c2960-lanbase-mz.122-25.SEE1.bin 4670455
18 : c2960-lanbasek9-mz.150-2.SE4.bin 4670455
19 : c3560-advipservicesk9-mz.122-37.SEE1.bin 8662192
20 : c3560-advipservicesk9-mz.122-46.SE.bin 10713279
21 : c800-universalk9-mz.SPA.152-4.M4.bin 33591768
22 : c800-universalk9-mz.SPA.154-3.M6a.bin 83029236
23 : cat3k_caa-universalk9.16.03.02.SPA.bin 505532849
24 : cgr1000-universalk9-mz.SPA.154-2.CG 159487552
25 : cgr1000-universalk9-mz.SPA.156-3.CG 184530138
26 : ir800-universalk9-bundle.SPA.156-3.M.bin 160968869
27 : ir800-universalk9-mz.SPA.155-3.M  61750062
28 : ir800-universalk9-mz.SPA.156-3.M  63753767
29 : ir800_yocto-1.7.2.tar            2877440
30 : ir800_yocto-1.7.2_python-2.7.3.tar 6912000
31 : pt1000-i-mz.122-28.bin           5571584
32 : pt3000-i6q412-mz.121-22.EA4.bin  3117390
ftp>
  
```

At the bottom of the Command Prompt window, there is a "Top" button.

Using put command along with file name we will upload the created file in to the server:



The screenshot shows a Windows Command Prompt window titled "Laptop0" with tabs for Physical, Config, Desktop, Programming, and Attributes. The Command Prompt displays a list of files and their sizes, followed by the execution of the 'put' command to upload a file to an FTP server.

```

5 : c1900-universalk9-mz.SPA.155-3.M4a.bin          33591768
6 : c2600-advipservicesk9-mz.124-15.T1.bin          33591768
7 : c2600-i-mz.122-28.bin                            5571584
8 : c2600-ipbasek9-mz.124-8.bin                     13169700
9 : c2800nm-advipservicesk9-mz.124-15.T1.bin         50938004
10 : c2800nm-advipservicesk9-mz.151-4.M4.bin         33591768
11 : c2800nm-ipbase-mz.123-14.T7.bin                 5571584
12 : c2800nm-ipbasek9-mz.124-8.bin                   15522644
13 : c2900-universalk9-mz.SPA.155-3.M4a.bin          33591768
14 : c2950-i6q412-mz.121-22.EA4.bin                 3058048
15 : c2950-i6q412-mz.121-22.EA8.bin                 3117390
16 : c2960-lanbase-mz.122-25.FX.bin                  4414921
17 : c2960-lanbase-mz.122-25.SEE1.bin                4670455
18 : c2960-lanbasek9-mz.150-2.SE4.bin                4670455
19 : c3560-advipservicesk9-mz.122-37.SE1.bin          8662192
20 : c3560-advipservicesk9-mz.122-46.SE.bin           10713279
21 : c800-universalk9-mz.SPA.152-4.M4.bin             33591768
22 : c800-universalk9-mz.SPA.154-3.M6a.bin            83029236
23 : cat3k_caa-universalk9.16.03.02.SPA.bin           505532849
24 : cgr1000-universalk9-mz.SPA.154-2.CG              159487552
25 : cgr1000-universalk9-mz.SPA.156-3.CG              184530138
26 : ir800-universalk9-bundle.SPA.156-3.M.bin         160968869
27 : ir800-universalk9-mz.SPA.155-3.M                61750062
28 : ir800-universalk9-mz.SPA.156-3.M                63753767
29 : ir800_yocto-1.7.2.tar                           2877440
30 : ir800_yocto-1.7.2_python-2.7.3.tar              6912000
31 : pt1000-i-mz.122-28.bin                            5571584
32 : pt3000-i6q412-mz.121-22.EA4.bin                 3117390

ftp>put FTPTest.txt

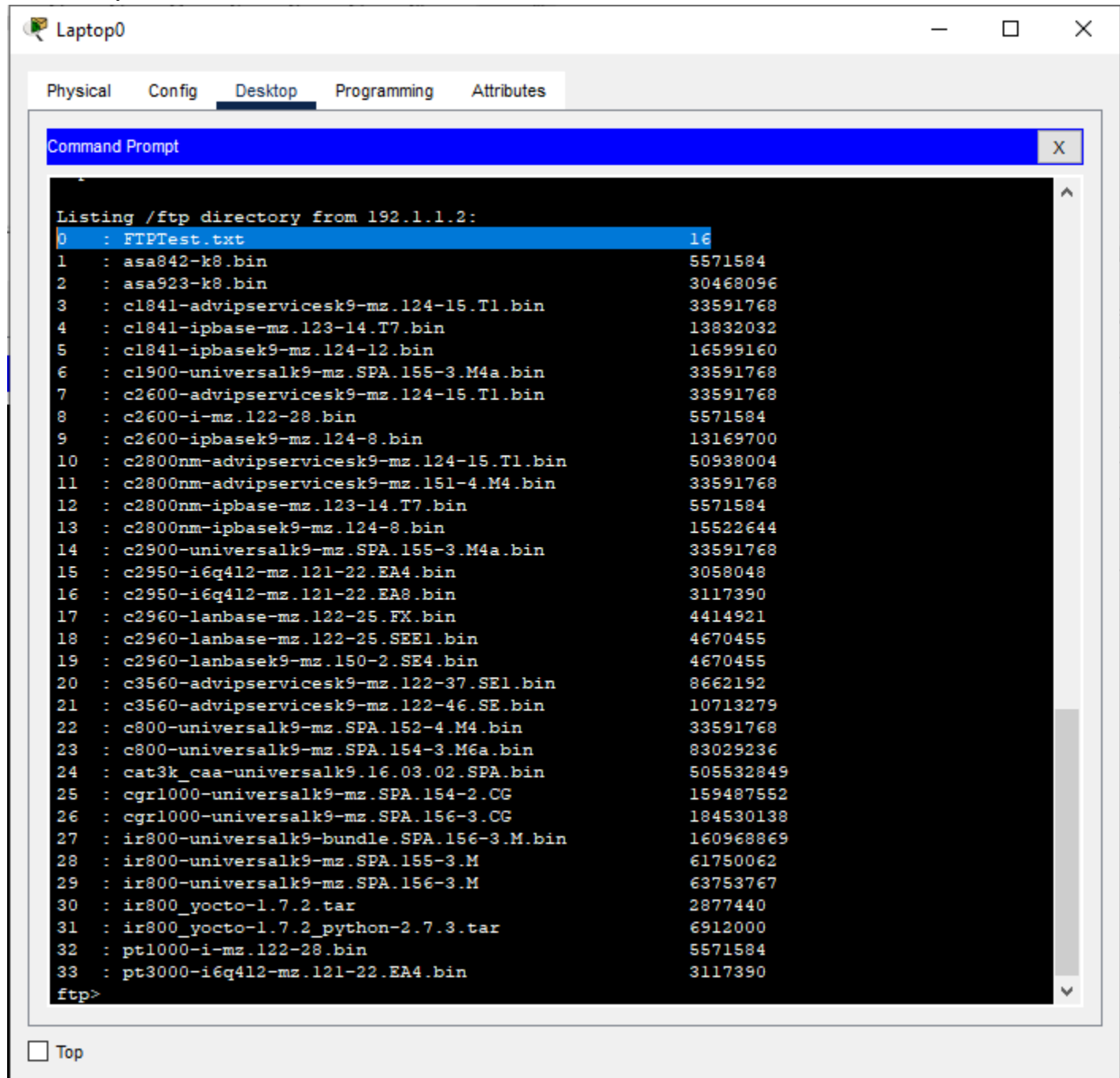
Writing file FTPTest.txt to 192.1.1.2:
File transfer in progress...

[Transfer complete - 16 bytes]

16 bytes copied in 0.097 secs (164 bytes/sec)
ftp>
  
```

Top

Now run the DIR command to check whether the file is uploaded to our server or not and our file is uploaded successfully:

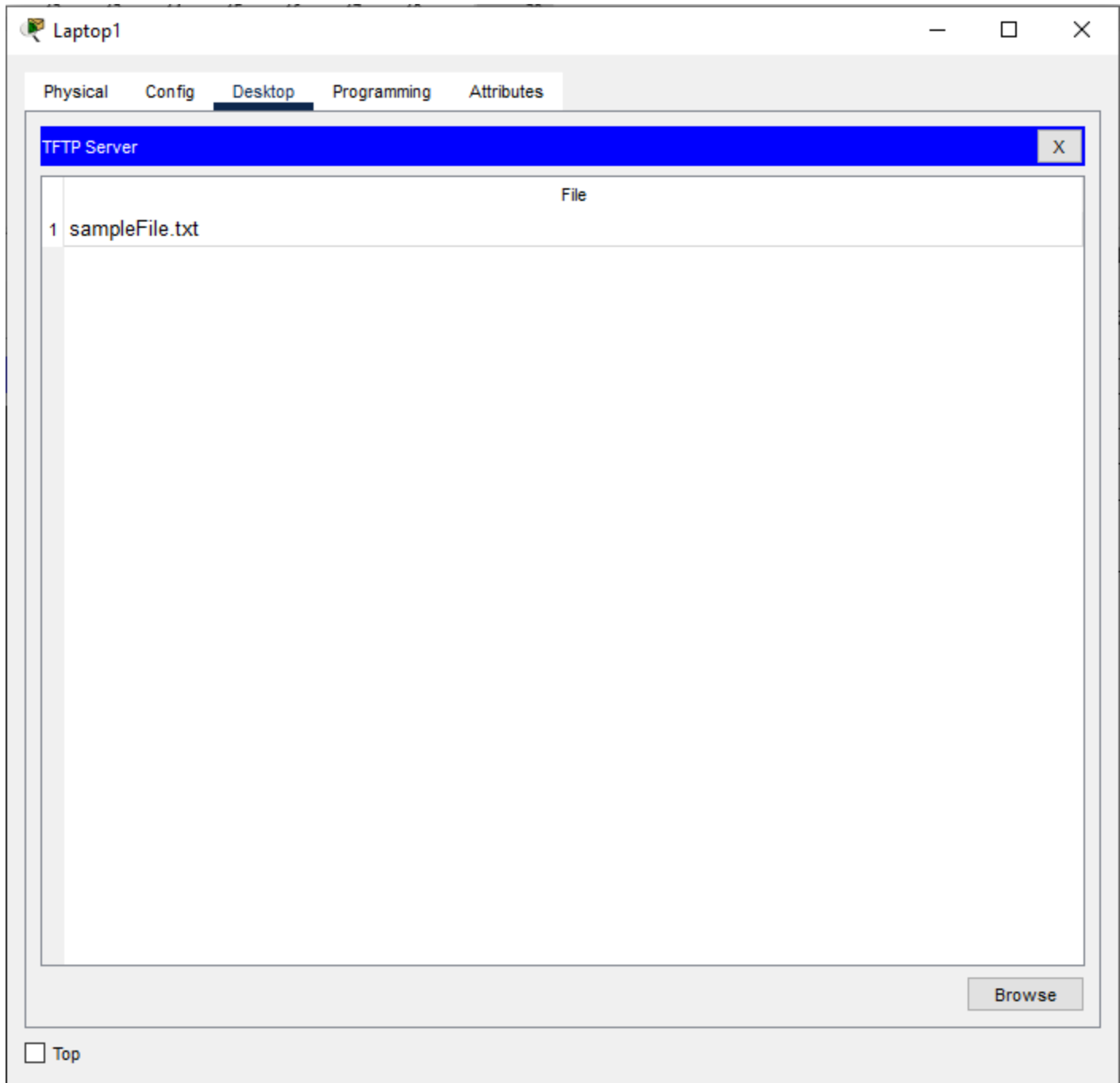


The screenshot shows a Windows Command Prompt window titled "Laptop0". The window has tabs for "Physical", "Config", "Desktop", "Programming", and "Attributes". The "Desktop" tab is active. The Command Prompt shows the output of the DIR command for an FTP directory listing from 192.1.1.2. The output is as follows:

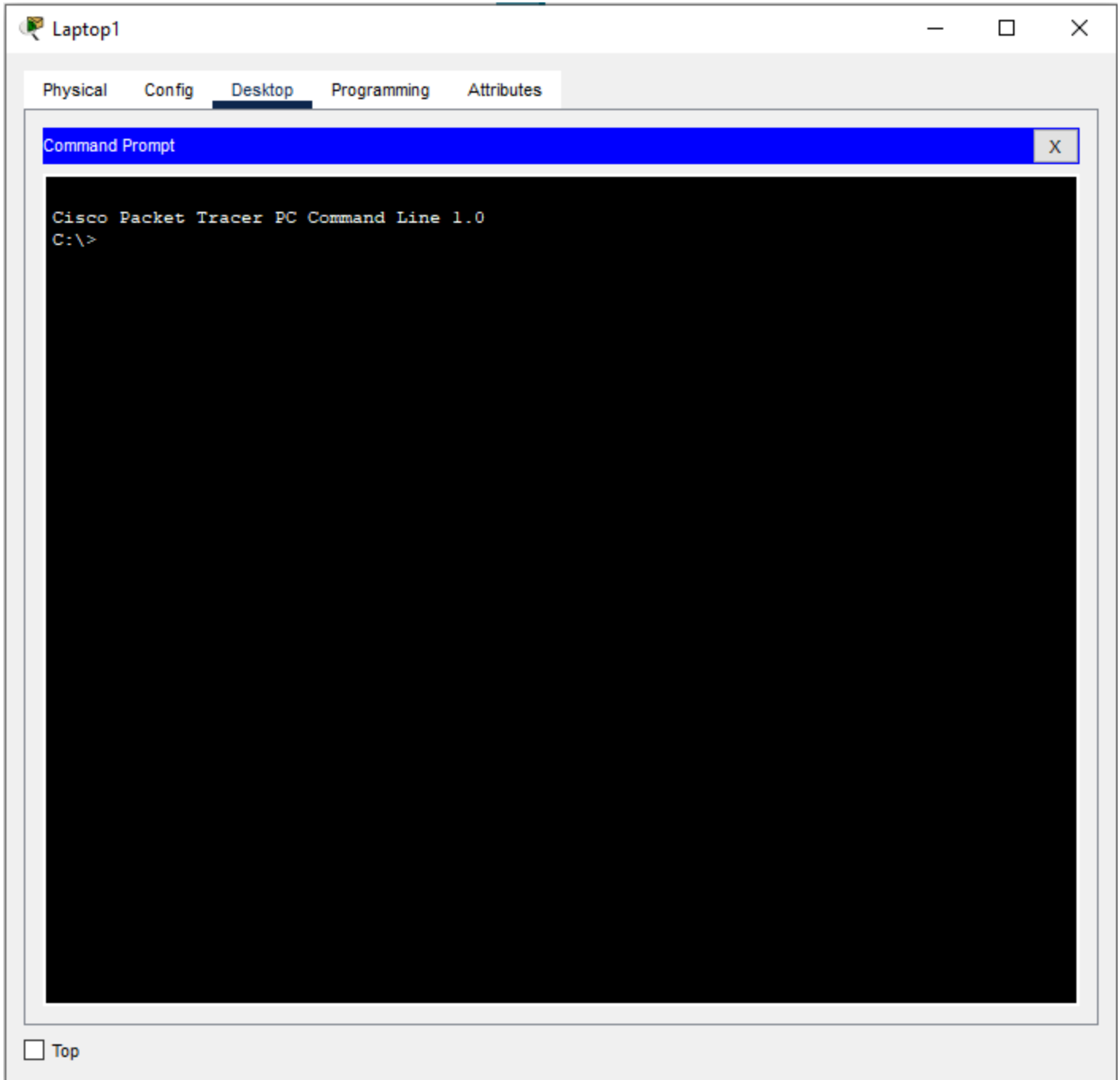
```
Listing /ftp directory from 192.1.1.2:
0 : FTPTest.txt 16
1 : asa842-k8.bin 5571584
2 : asa923-k8.bin 30468096
3 : cl841-advipservicesk9-mz.124-15.T1.bin 33591768
4 : cl841-ipbase-mz.123-14.T7.bin 13832032
5 : cl841-ipbasek9-mz.124-12.bin 16599160
6 : cl900-universalk9-mz.SPA.155-3.M4a.bin 33591768
7 : c2600-advipservicesk9-mz.124-15.T1.bin 33591768
8 : c2600-i-mz.122-28.bin 5571584
9 : c2600-ipbasek9-mz.124-8.bin 13169700
10 : c2800nm-advipservicesk9-mz.124-15.T1.bin 50938004
11 : c2800nm-advipservicesk9-mz.151-4.M4.bin 33591768
12 : c2800nm-ipbase-mz.123-14.T7.bin 5571584
13 : c2800nm-ipbasek9-mz.124-8.bin 15522644
14 : c2900-universalk9-mz.SPA.155-3.M4a.bin 33591768
15 : c2950-i6q412-mz.121-22.EA4.bin 3058048
16 : c2950-i6q412-mz.121-22.EA8.bin 3117390
17 : c2960-lanbase-mz.122-25.FX.bin 4414921
18 : c2960-lanbase-mz.122-25.SEE1.bin 4670455
19 : c2960-lanbasek9-mz.150-2.SE4.bin 4670455
20 : c3560-advipservicesk9-mz.122-37.SE1.bin 8662192
21 : c3560-advipservicesk9-mz.122-46.SE.bin 10713279
22 : c800-universalk9-mz.SPA.152-4.M4.bin 33591768
23 : c800-universalk9-mz.SPA.154-3.M6a.bin 83029236
24 : cat3k_caa-universalk9.16.03.02.SPA.bin 505532849
25 : cgr1000-universalk9-mz.SPA.154-2.CG 159487552
26 : cgr1000-universalk9-mz.SPA.156-3.CG 184530138
27 : ir800-universalk9-bundle.SPA.156-3.M.bin 160968869
28 : ir800-universalk9-mz.SPA.155-3.M 61750062
29 : ir800-universalk9-mz.SPA.156-3.M 63753767
30 : ir800_yocto-1.7.2.tar 2877440
31 : ir800_yocto-1.7.2_python-2.7.3.tar 6912000
32 : pt1000-i-mz.122-28.bin 5571584
33 : pt3000-i6q412-mz.121-22.EA4.bin 3117390
ftp>
```

At the bottom of the window, there is a "Top" button.

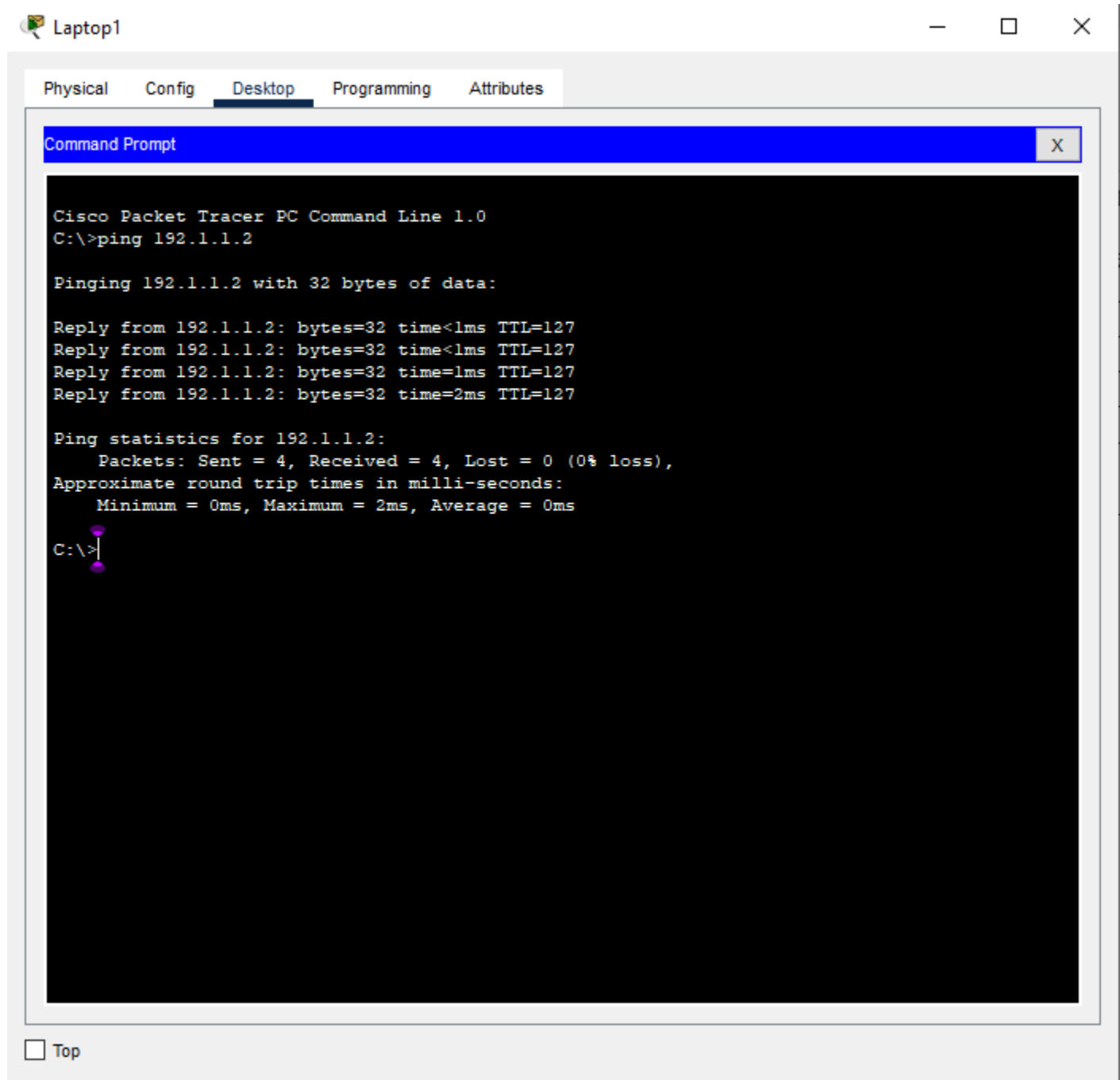
Now open the Laptop1 TFTP Server to check the Available files in the Laptop1:



Open the Command Prompt in Laptop1:



Run the Ping command along with the server IP Address to check the connectivity of the server with Laptop1:



```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.1.1.2

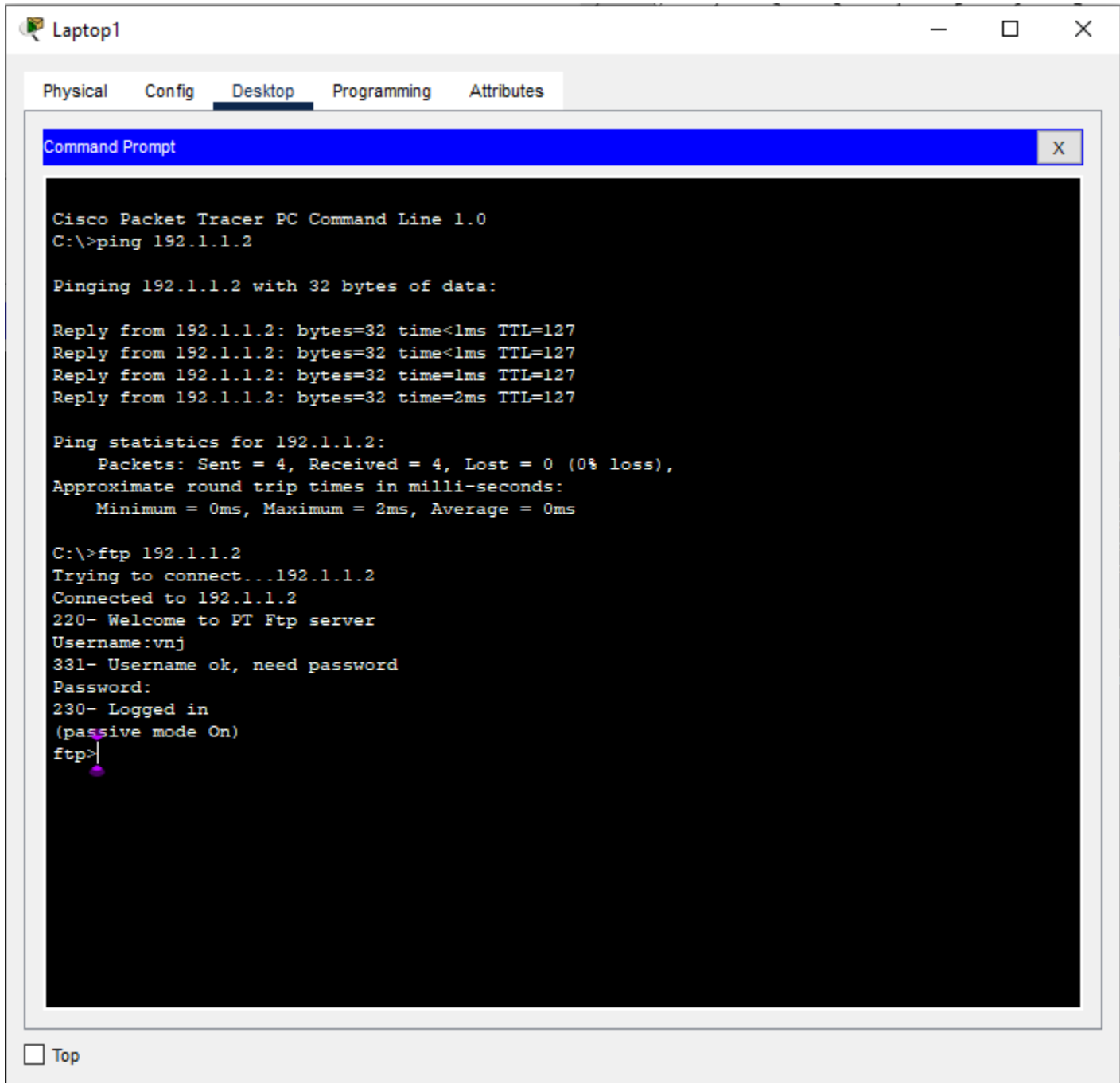
Pinging 192.1.1.2 with 32 bytes of data:

Reply from 192.1.1.2: bytes=32 time<1ms TTL=127
Reply from 192.1.1.2: bytes=32 time<1ms TTL=127
Reply from 192.1.1.2: bytes=32 time=1ms TTL=127
Reply from 192.1.1.2: bytes=32 time=2ms TTL=127

Ping statistics for 192.1.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 2ms, Average = 0ms

C:\>
```

Now Run the FTP command along with The server IP Address to login the FTP Server, and Type the username and Password which we have created in the Server and press Enter to logging:



The screenshot shows a Packet Tracer PC Command Line window titled "Laptop1". The window has tabs for Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is active, showing a Command Prompt window. The Command Prompt displays the following text:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.1.1.2

Pinging 192.1.1.2 with 32 bytes of data:

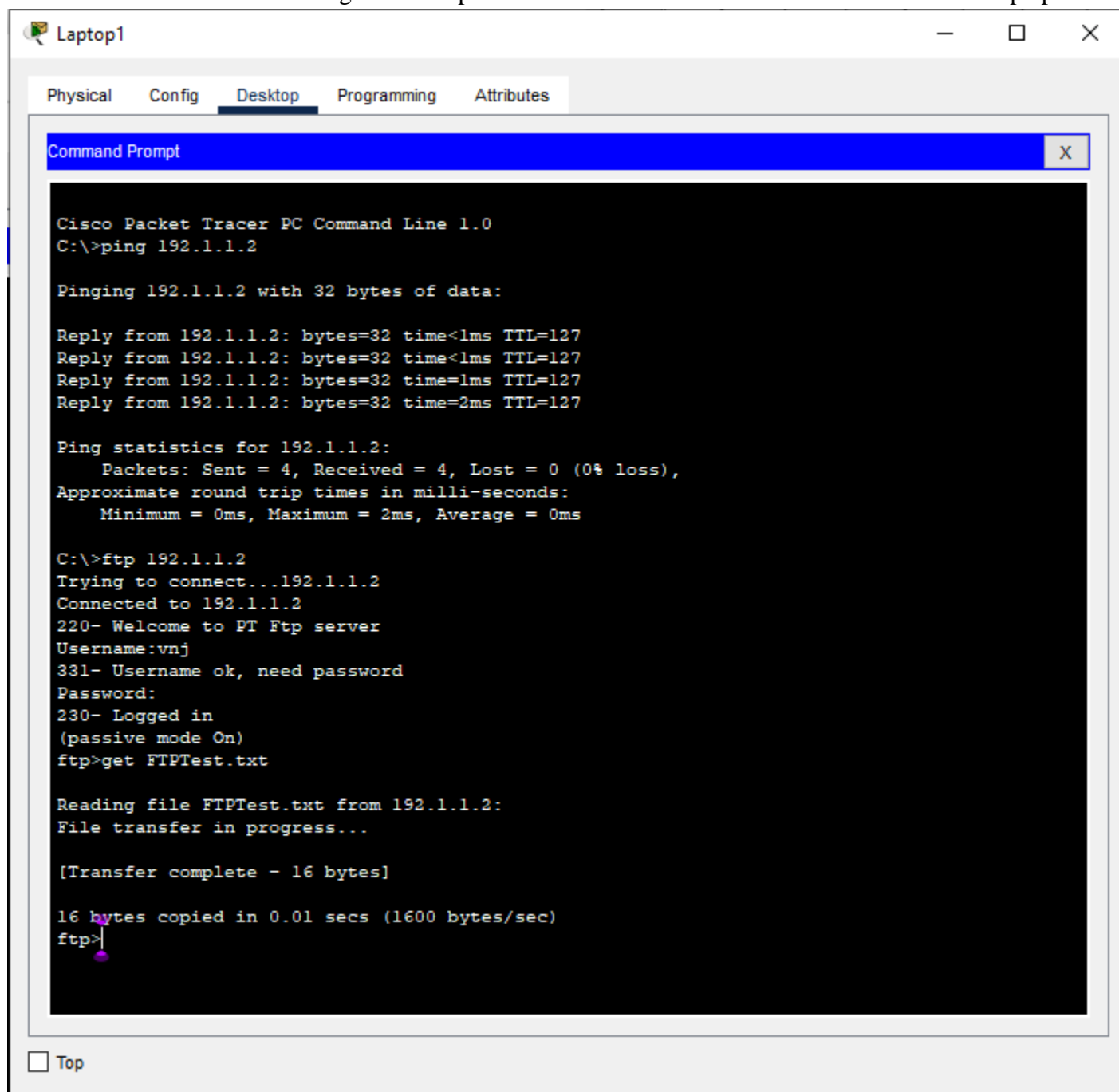
Reply from 192.1.1.2: bytes=32 time<1ms TTL=127
Reply from 192.1.1.2: bytes=32 time<1ms TTL=127
Reply from 192.1.1.2: bytes=32 time=1ms TTL=127
Reply from 192.1.1.2: bytes=32 time=2ms TTL=127

Ping statistics for 192.1.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 2ms, Average = 0ms

C:\>ftp 192.1.1.2
Trying to connect...192.1.1.2
Connected to 192.1.1.2
220- Welcome to PT Ftp server
Username:vnj
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>
```

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

Now run the GET command along with the Specific file name which we want to download in the Laptop1:



The screenshot shows a Packet Tracer interface with a window titled 'Laptop1'. The 'Desktop' tab is selected, displaying a 'Command Prompt' window. The command prompt shows the execution of a ping command and an FTP session to download a file.

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.1.1.2

Pinging 192.1.1.2 with 32 bytes of data:

Reply from 192.1.1.2: bytes=32 time<1ms TTL=127
Reply from 192.1.1.2: bytes=32 time<1ms TTL=127
Reply from 192.1.1.2: bytes=32 time=1ms TTL=127
Reply from 192.1.1.2: bytes=32 time=2ms TTL=127

Ping statistics for 192.1.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 2ms, Average = 0ms

C:\>ftp 192.1.1.2
Trying to connect...192.1.1.2
Connected to 192.1.1.2
220- Welcome to PT Ftp server
Username:vnj
331- Username ok, need password
Password:
230- Logged in
(passive mode On)
ftp>get FTPTest.txt

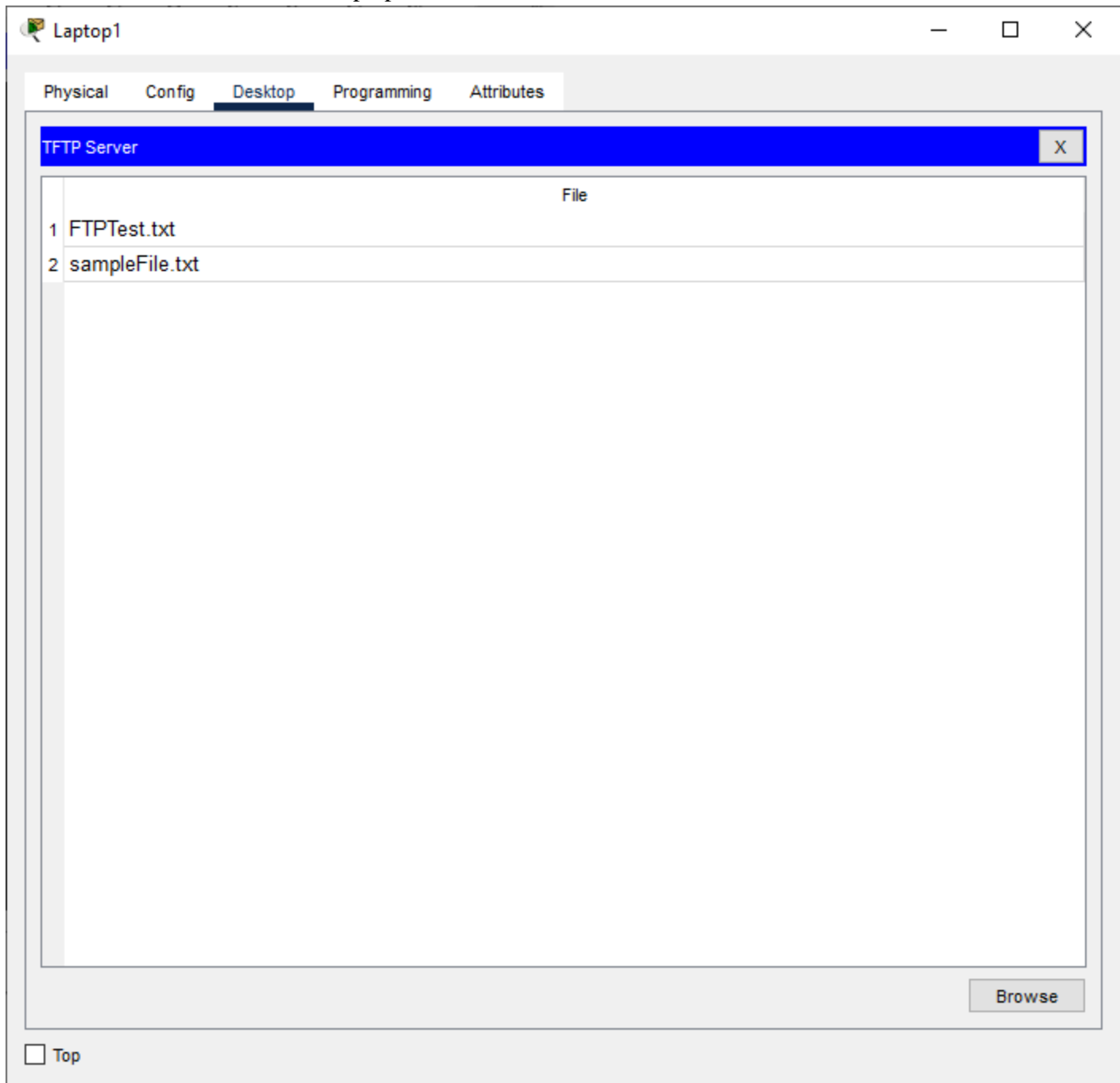
Reading file FTPTest.txt from 192.1.1.2:
File transfer in progress...

[Transfer complete - 16 bytes]

16 bytes copied in 0.01 secs (1600 bytes/sec)
ftp>
```

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

Now Check the TFTP Server of Laptop1 and there Downloaded file is Present:



Learning outcomes (What I have learnt):

1. Learnt how to create the FTP Server connection.
2. Learnt how to Upload the File to server and how to download with the another system.

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			