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Course: MCA
Section: A

Semester: 2
University Roll no: 2001120
Subject Name: CN Lab
Subject code: PMC 202

Problem statement 1: There is an organization A with multiple departments. Design a network for the HR department and the size of the department is 10 users. Also, show the connection between user no1 and user no5 of the network.

Objective: To understand how to create a wired LAN using switch in packet tracer.

Description: Steps for practical and paste snapshot of network design, IP configuration and connectivity.

Step1: On Bottom left select End Devices and click on pc icon. Select 10 pcs.

Step2: Then, bottom left select Switches

Step3: click the "connections" icon and select a cable then connect it to the pcs to switch.

Step4: Double click on a pc, a box will appear, click on the "Desktop Tab" and then select "IP configuration". write IP address of network.

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Subnet Mask will appear automatically.

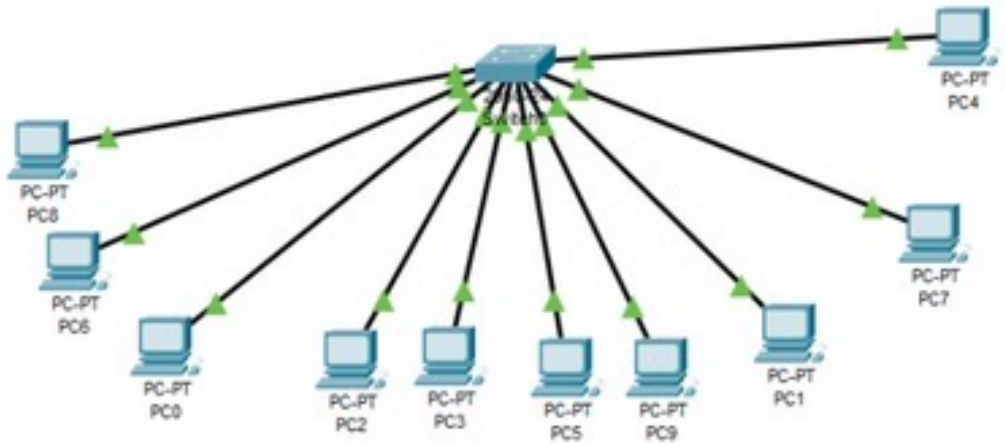
Step 5: Give IP address to each PC.
Step6: Double click on PC, a box will appear click on the "Desktop tab" choose command prompt and connect with 5th pc using Ping 192.168.1.5.

Rashi.

Cisco Packet Tracer - C:\Users\DELL\Cisco Packet Tracer 7.3.0\saves\connectTwoPcsSwitch.pkt

File Edit Options View Tools Extensions Help

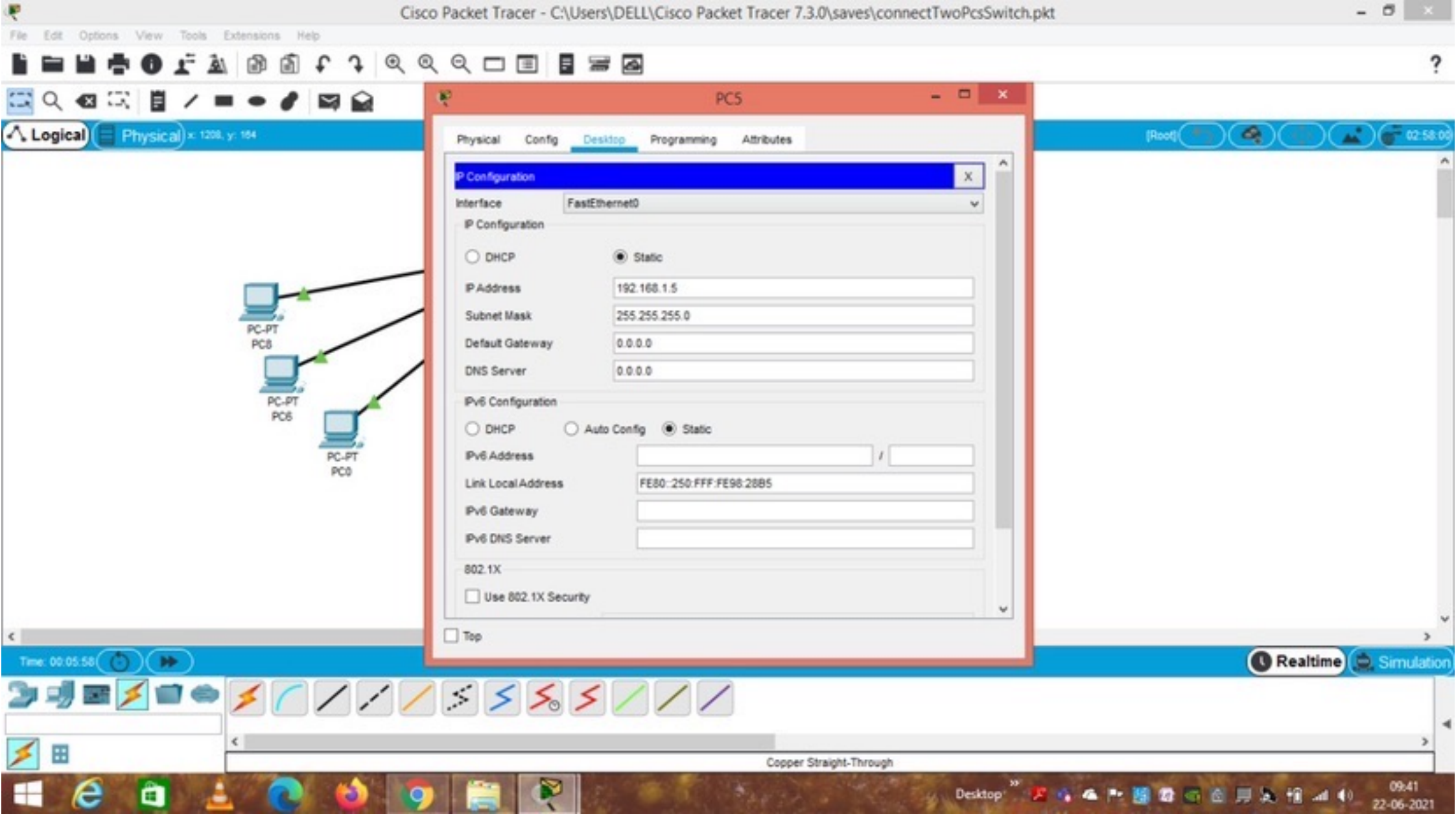
Logical Physical x: 1180, y: 234 [Root] 02:52:00

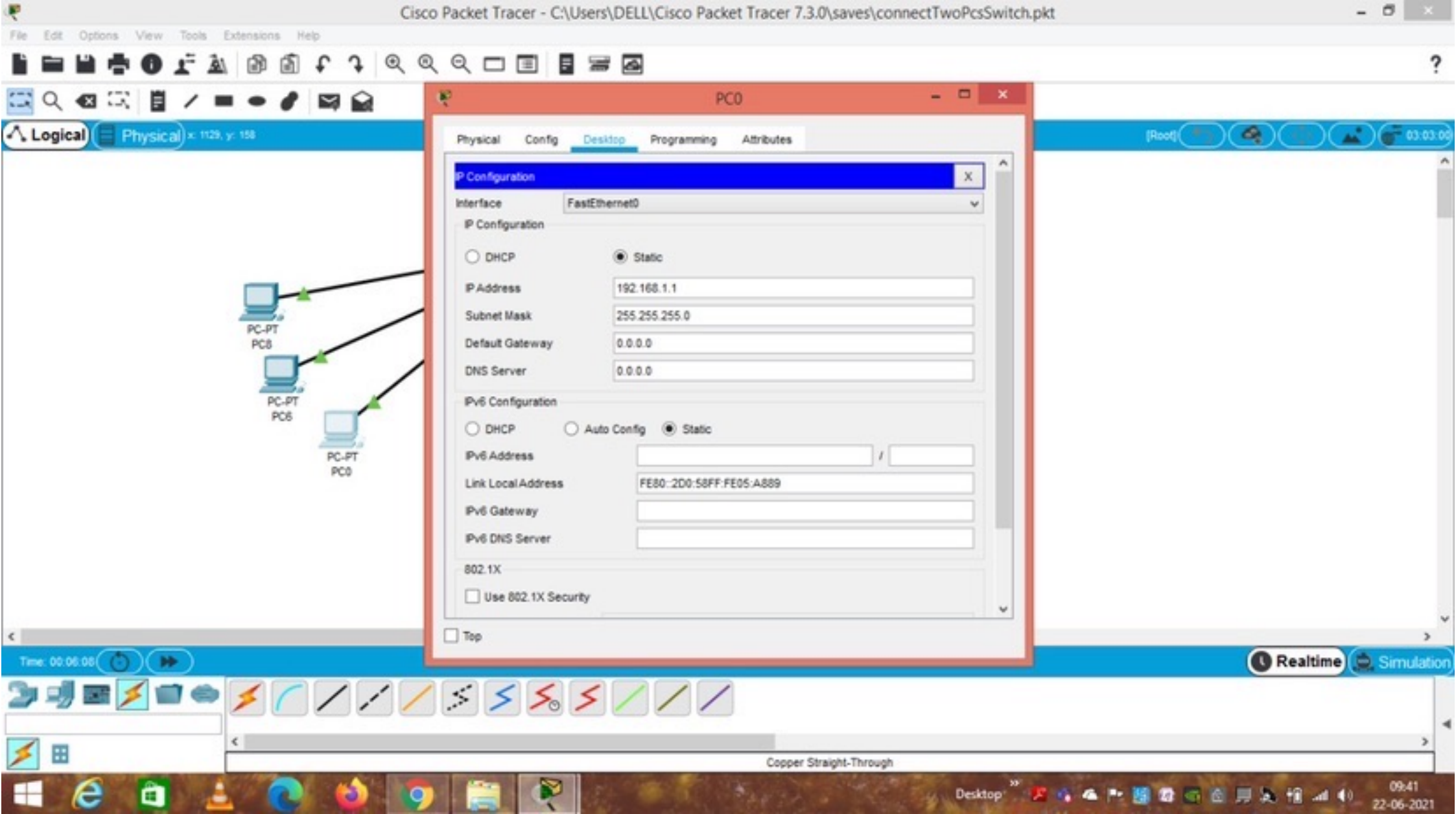


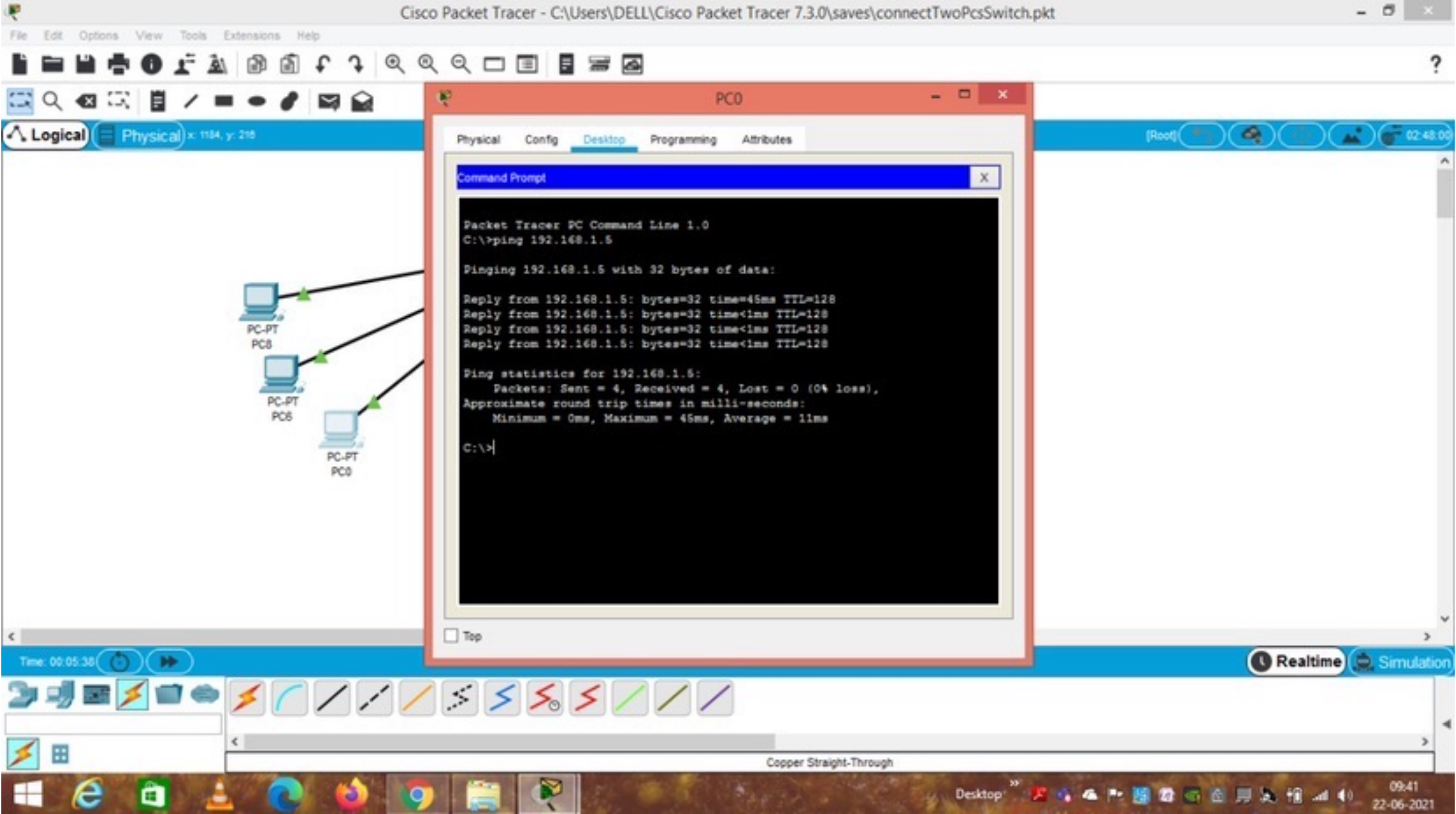

Time: 00:05:46 Realtime Simulation

Copper Straight-Through

Desktop 09:41 22-06-2021


Cisco Packet Tracer - C:\Users\DELL\Cisco Packet Tracer 7.3.0\saves\connectTwoPcsSwitch.pkt
File Edit Options View Tools Extensions Help
Logical
Physical
x: 1208, y: 164
PC5
Physical Config Desktop Programming Attributes
IP Configuration
X
Interface FastEthernet0
IP Configuration
DHCP
Static
IP Address 192.168.1.5
Subnet Mask 255.255.255.0
Default Gateway 0.0.0.0
DNS Server 0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address FE80::250:FFF:FE98:28B5
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top
PC-PT PC8
PC-PT PC6
PC-PT PC0
Time: 00:05:58
Realtime
Simulation
Copper Straight-Through
Desktop
09:41
22-06-2021


Cisco Packet Tracer - C:\Users\DELL\Cisco Packet Tracer 7.3.0\saves\connectTwoPcsSwitch.pkt
File Edit Options View Tools Extensions Help
Logical
Physical
x: 1129, y: 158
(Root)
03:03:00
PC-PT PC8
PC-PT PC6
PC-PT PC0
PC0
Physical Config Desktop Programming Attributes
IP Configuration
X
Interface FastEthernet0
IP Configuration
DHCP
Static
IP Address 192.168.1.1
Subnet Mask 255.255.255.0
Default Gateway 0.0.0.0
DNS Server 0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address FE80::2D0:58FF:FE05:A889
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top
Time: 00:06:08
Realtime
Simulation
Copper Straight-Through
Desktop
09:41
22-06-2021


Cisco Packet Tracer - C:\Users\DELL\Cisco Packet Tracer 7.3.0\saves\connectTwoPcsSwitch.pkt
File Edit Options View Tools Extensions Help
Logical
Physical
PC0
Physical Config Desktop Programming Attributes
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.5
Pinging 192.168.1.5 with 32 bytes of data:
Reply from 192.168.1.5: bytes=32 time=45ms TTL=128
Reply from 192.168.1.5: bytes=32 time<1ms TTL=128
Reply from 192.168.1.5: bytes=32 time<1ms TTL=128
Reply from 192.168.1.5: bytes=32 time<1ms TTL=128
Ping statistics for 192.168.1.5:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 45ms, Average = 11ms
C:\>
Top
PC-PT PC8
PC-PT PC6
PC-PT PC0
Realtime
Simulation
Copper Straight-Through
Desktop
09:41
22-06-2021