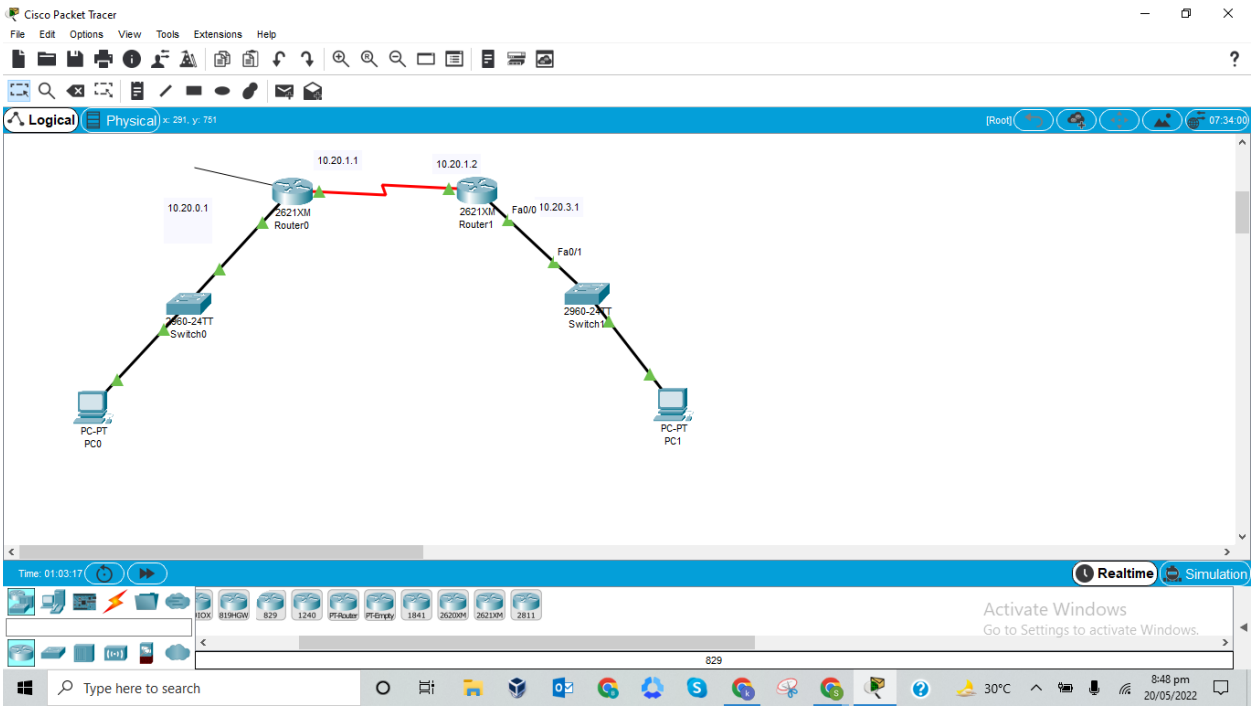
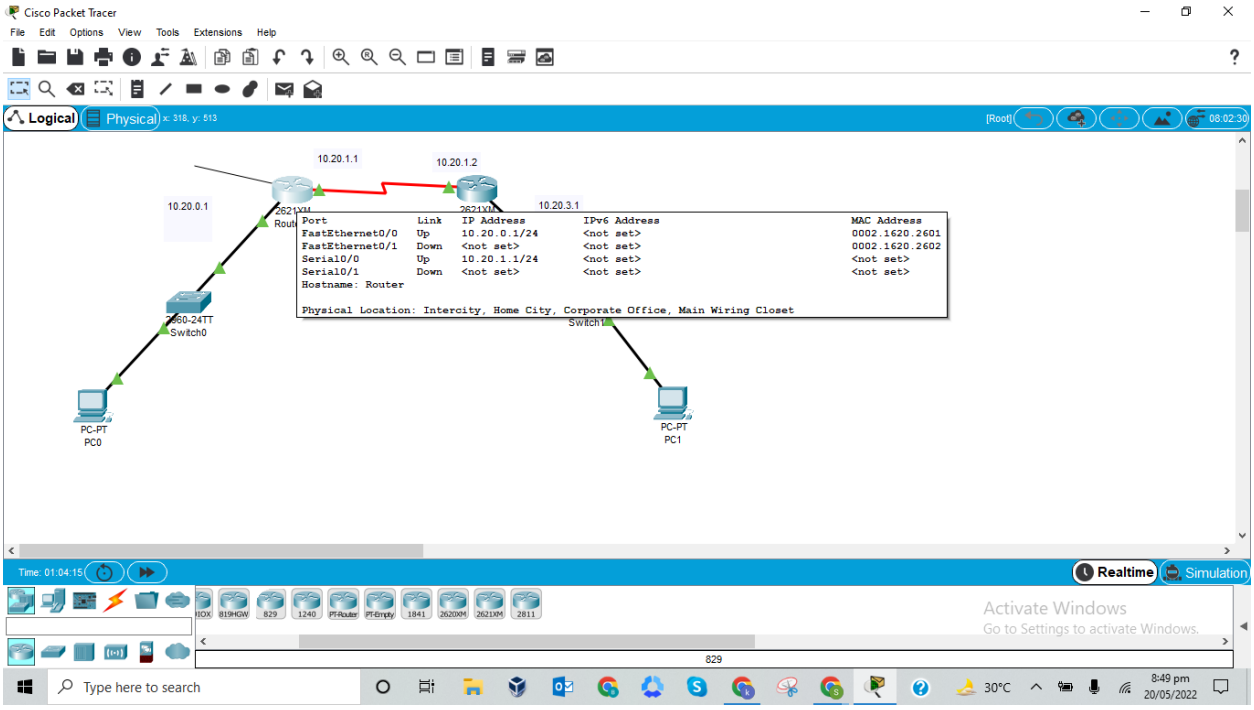
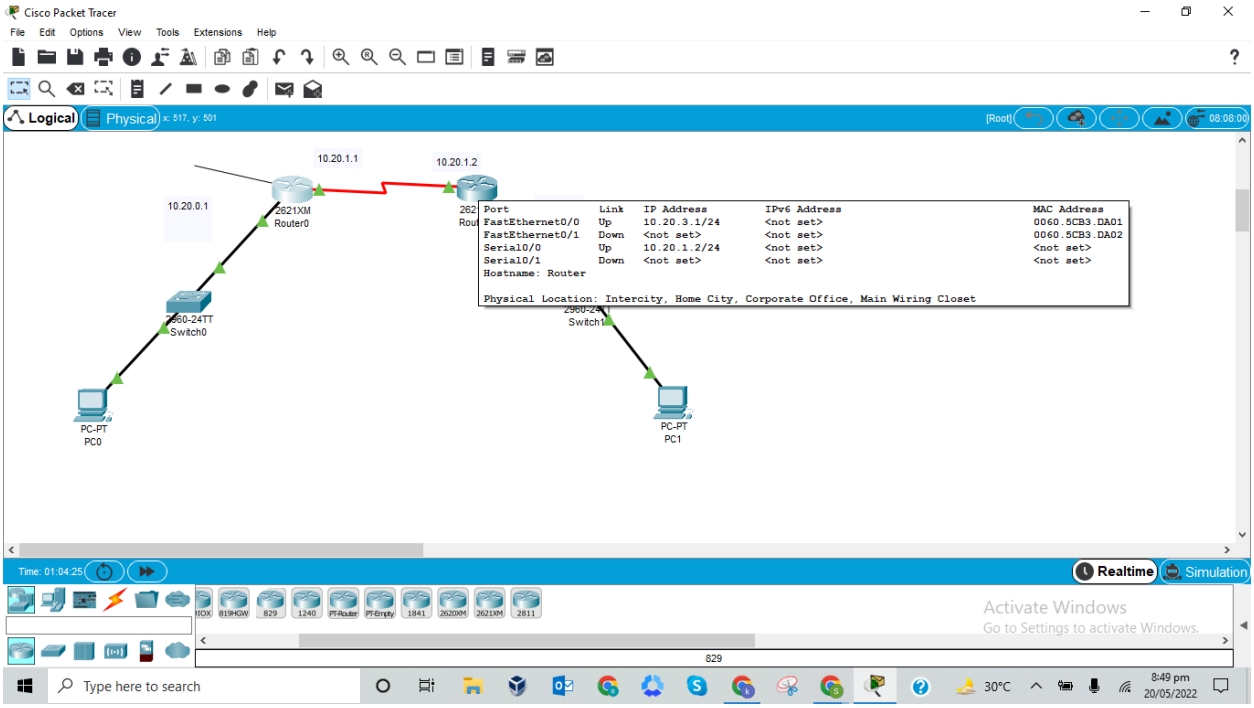
CN LAB#08

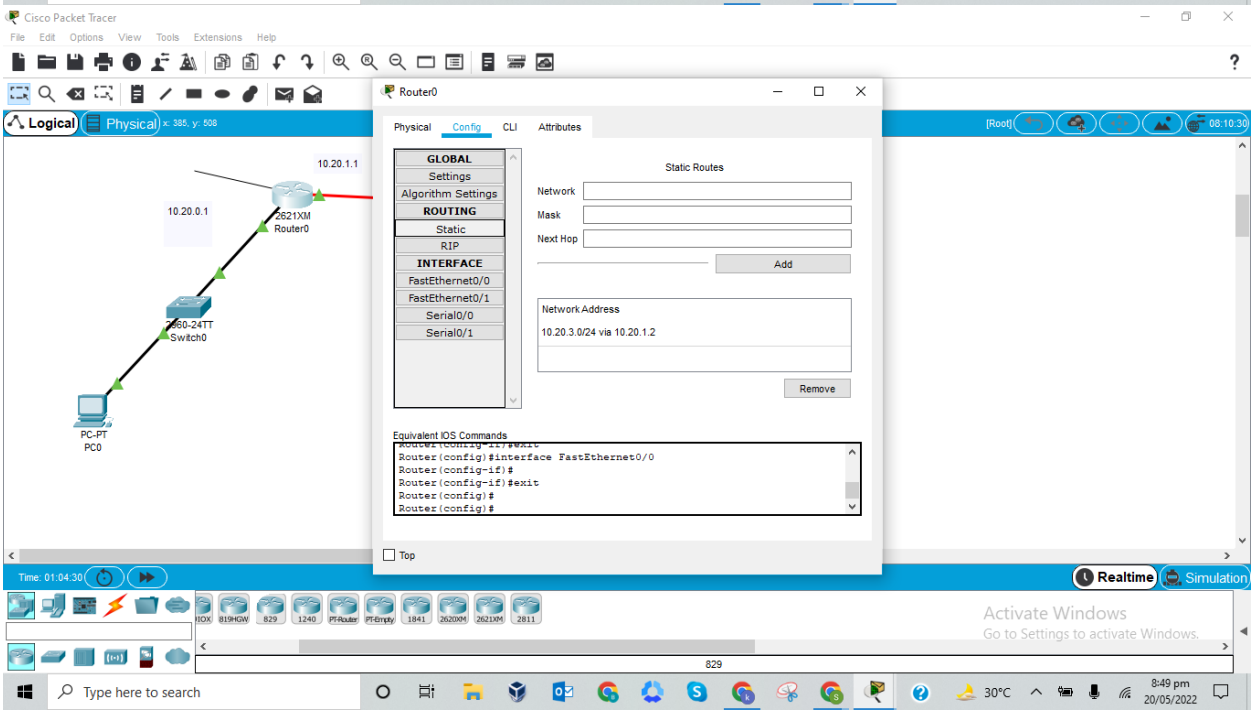
Name: Saman Khan
ID: 19K-0354
Section: H

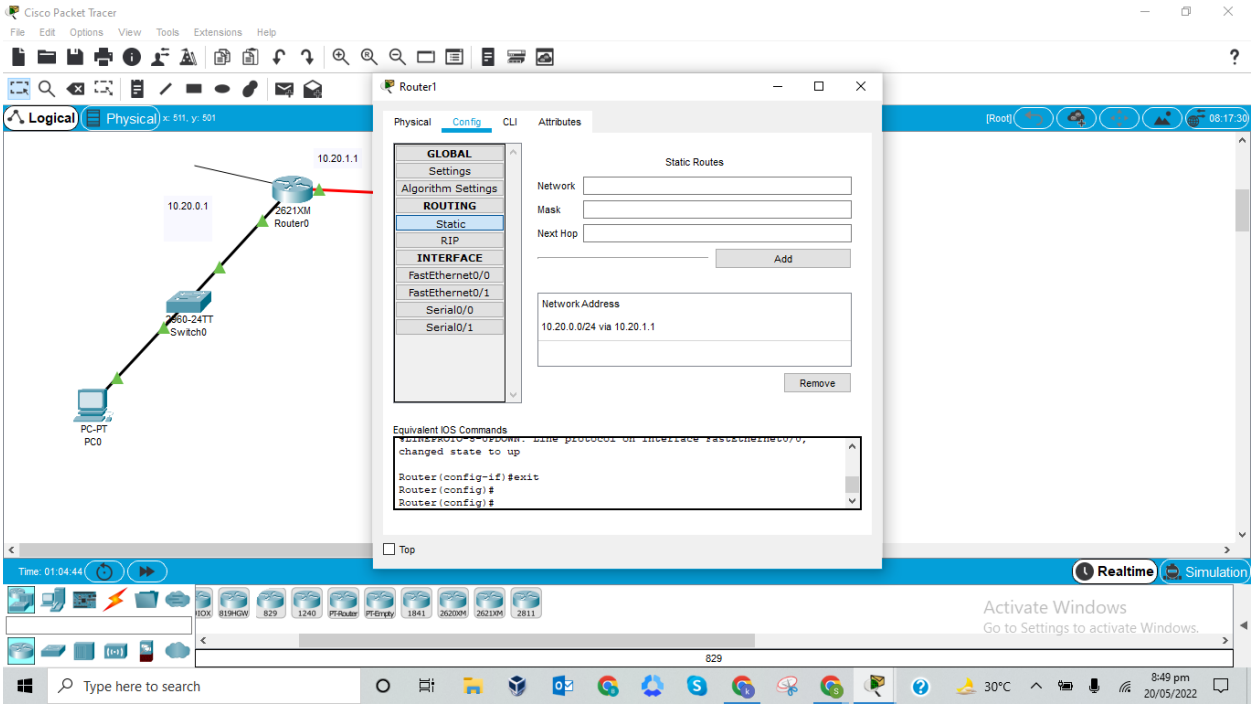
Question#01:



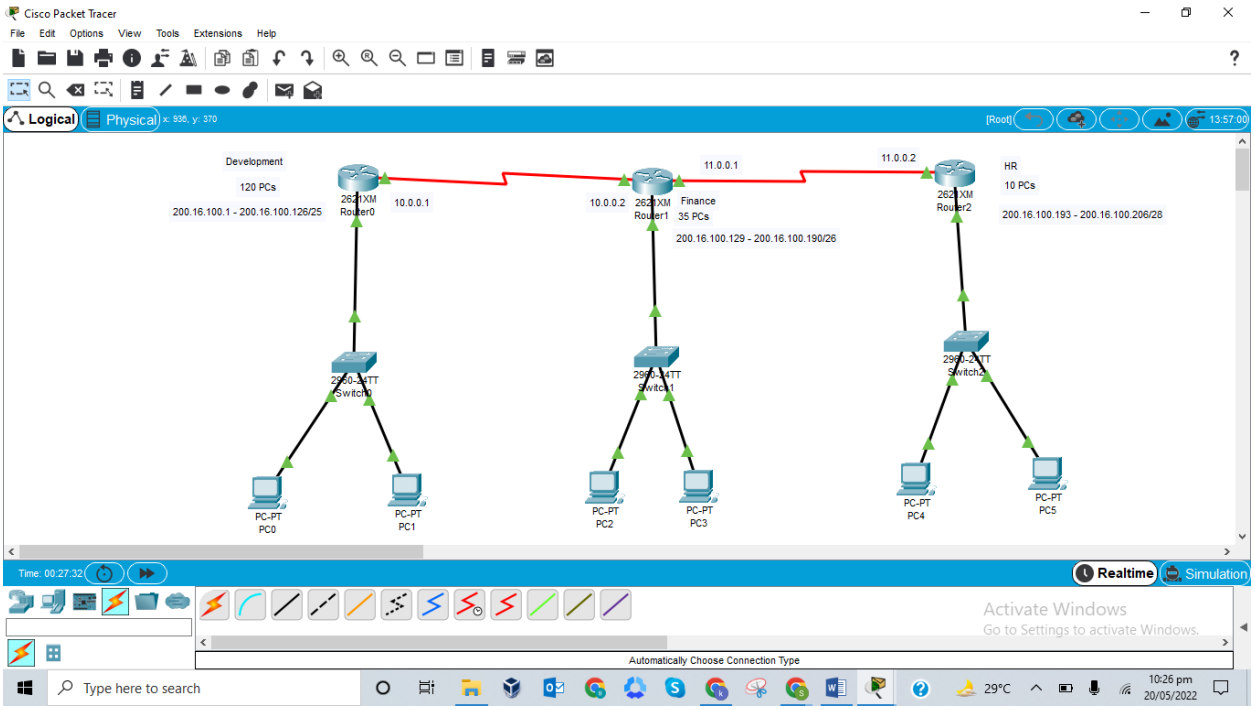


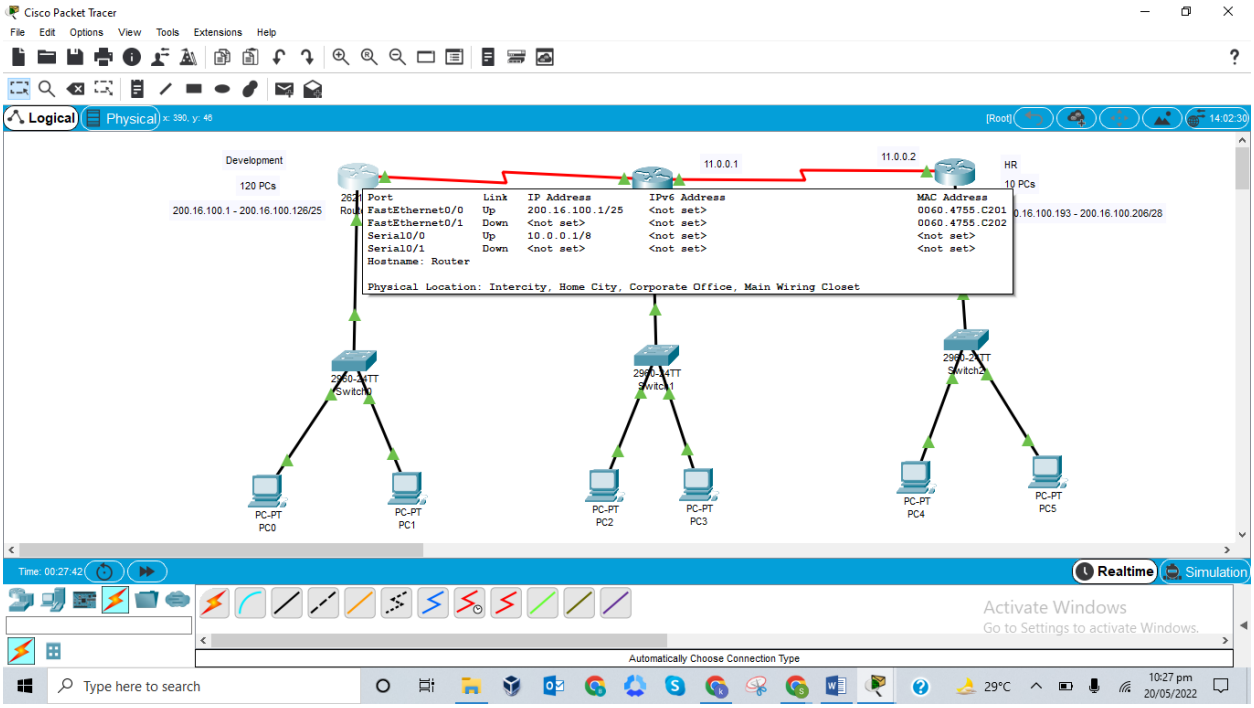

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
10.20.1.1
10.20.1.2
10.20.0.1
2621XM
Router0
2960-24TT
Switch0
PC-PT
PC0
PC-PT
PC1
Port Link IP Address IPv6 Address MAC Address
FastEthernet0/0 Up 10.20.3.1/24 <not set> 0060.5CB3.DA01
FastEthernet0/1 Down <not set> <not set> 0060.5CB3.DA02
Serial0/0 Up 10.20.1.2/24 <not set> <not set>
Serial0/1 Down <not set> <not set> <not set>
Hostname: Router
Physical Location: Intercity, Home City, Corporate Office, Main Wiring Closet
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Type here to search
30°C
8:49 pm
20/05/2022

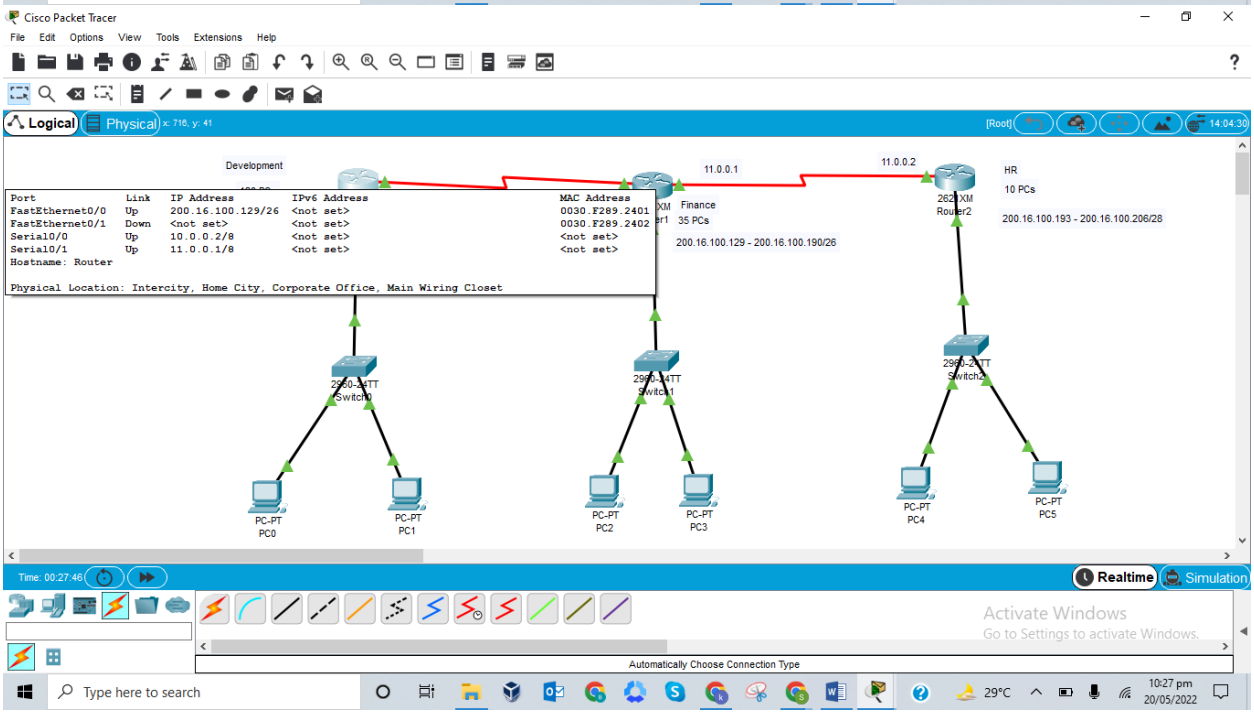

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
Router0
Physical
Config
CLI
Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet0/1
Serial0/0
Serial0/1
Static Routes
Network
Mask
Next Hop
Add
Network Address
10.20.3.0/24 via 10.20.1.2
Remove
Equivalent IOS Commands
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#
Router(config)#
Top
10.20.1.1
10.20.0.1
2621XM
Router0
2960-24TT
Switch0
PC-PT
PC0
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Type here to search
30°C
8:49 pm
20/05/2022

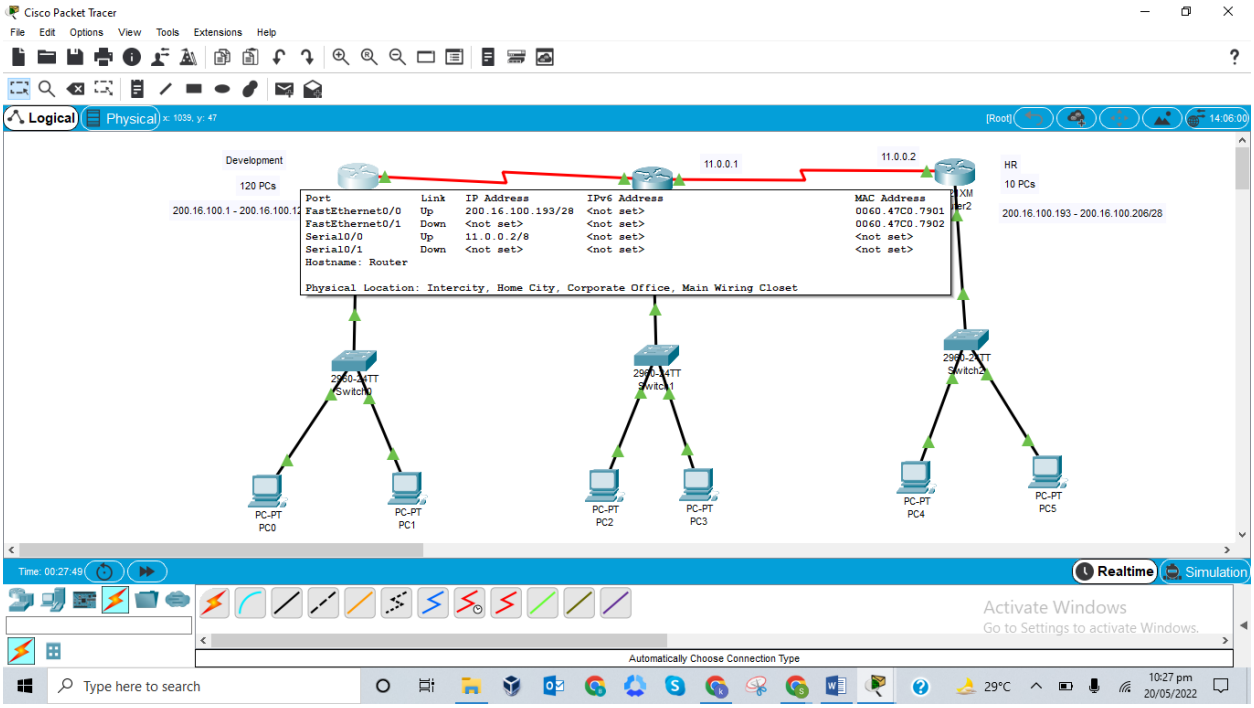

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
Router1
Physical Config CLI Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet0/1
Serial0/0
Serial0/1
Static Routes
Network
Mask
Next Hop
Add
Network Address
10.20.0.0/24 via 10.20.1.1
Remove
Equivalent IOS Commands
changed state to up
Router(config-if)#exit
Router(config)#
Router(config)#
Top
10.20.1.1
10.20.0.1
2621XM
Router0
2960-24TT
Switch0
PC-PT
PC0
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Type here to search
30°C
8:49 pm
20/05/2022

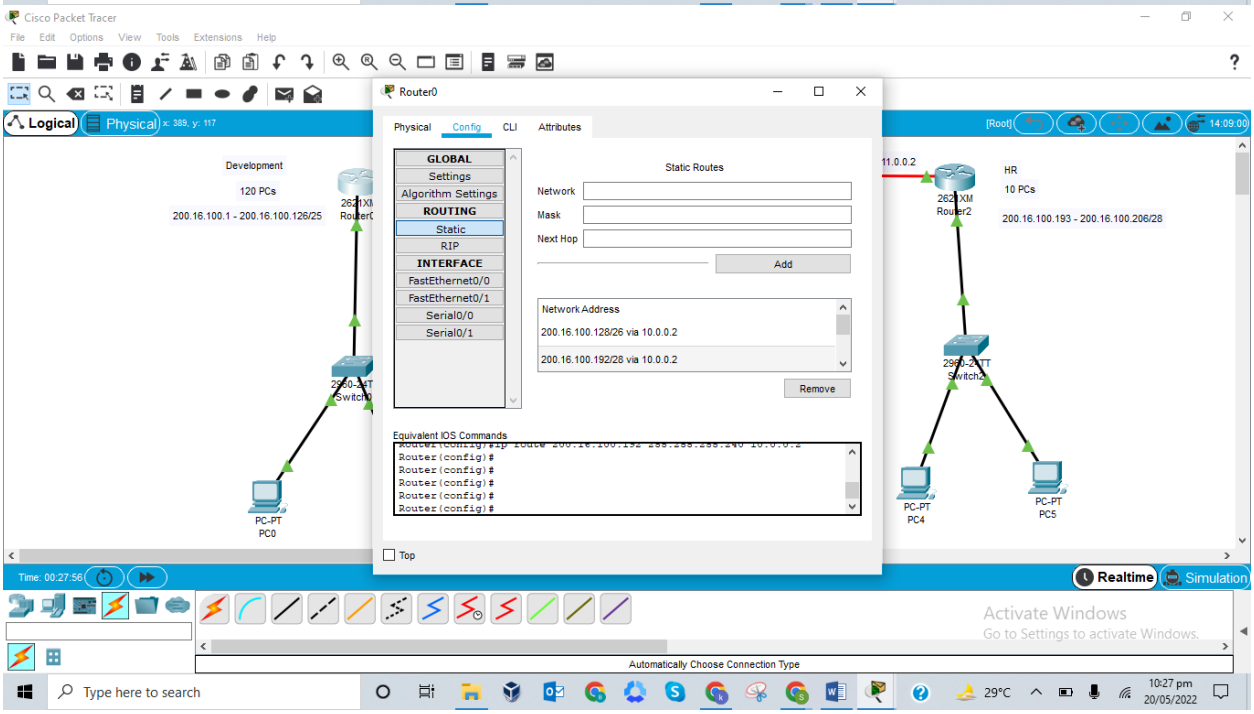
Question#02:

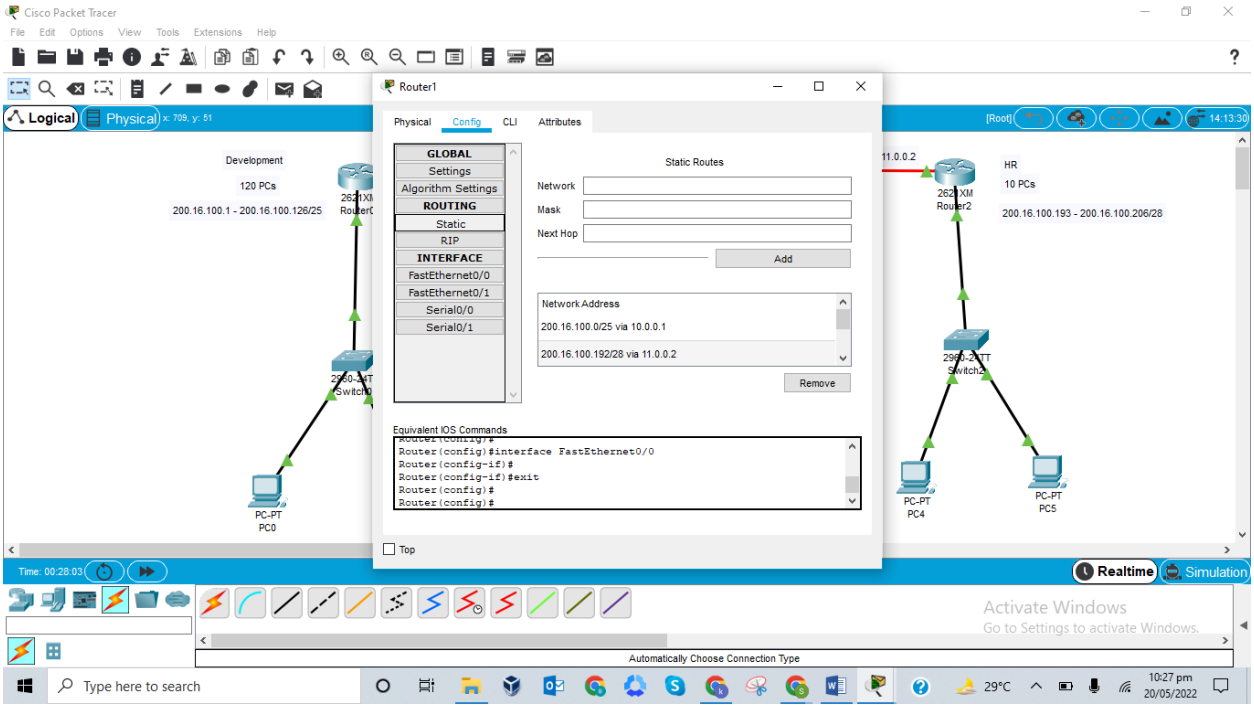

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
Development
120 PCs
200.16.100.1 - 200.16.100.126/25
2621XM
Router0
10.0.0.1
10.0.0.2
2621XM
Router1
Finance
35 PCs
200.16.100.129 - 200.16.100.190/26
11.0.0.1
11.0.0.2
2621XM
Router2
HR
10 PCs
200.16.100.193 - 200.16.100.206/28
2960-24TT
Switch0
2960-24TT
Switch1
2960-24TT
Switch2
PC-PT
PC0
PC-PT
PC1
PC-PT
PC2
PC-PT
PC3
PC-PT
PC4
PC-PT
PC5
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Automatically Choose Connection Type
Type here to search
29°C
10:26 pm
20/05/2022

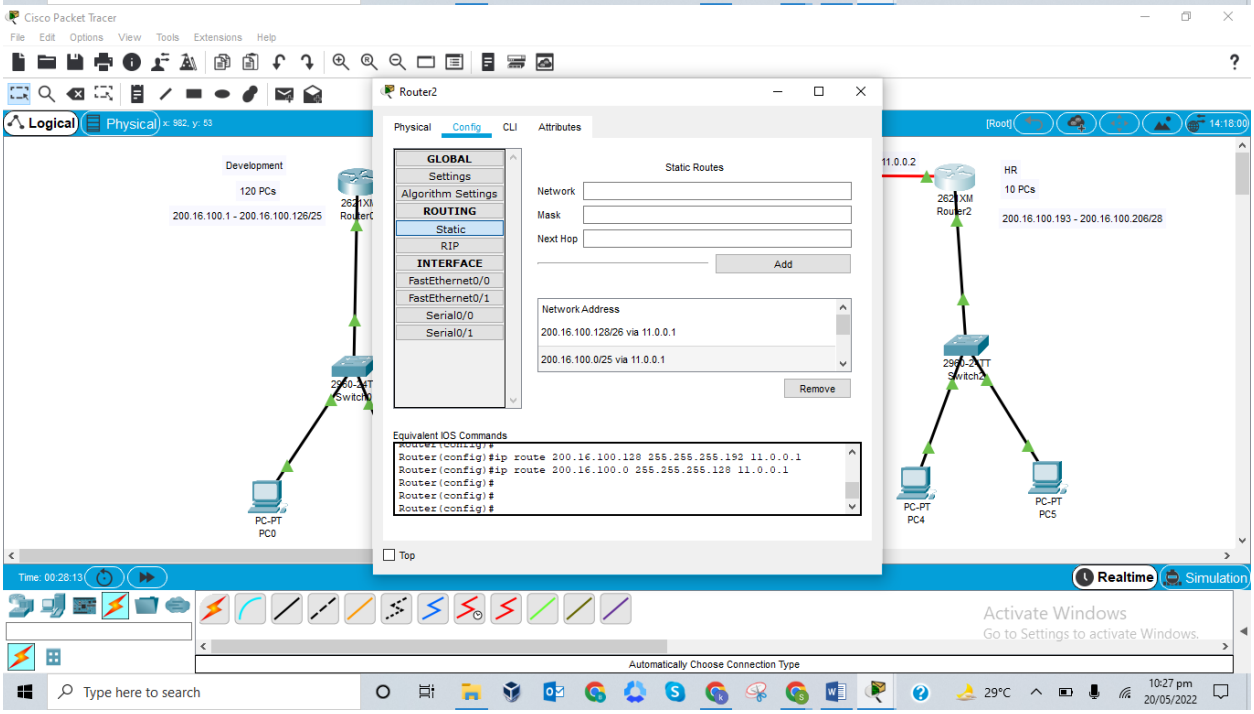

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
Development
120 PCs
200.16.100.1 - 200.16.100.126/25
11.0.0.1
11.0.0.2
HR
10 PCs
200.16.100.193 - 200.16.100.206/28
Port Link IP Address IPv6 Address MAC Address
FastEthernet0/0 Up 200.16.100.1/25 <not set> 0060.4755.C201
FastEthernet0/1 Down <not set> <not set> 0060.4755.C202
Serial0/0 Up 10.0.0.1/8 <not set> <not set>
Serial0/1 Down <not set> <not set> <not set>
Hostname: Router
Physical Location: Intercity, Home City, Corporate Office, Main Wiring Closet
PC-PT PC0
PC-PT PC1
PC-PT PC2
PC-PT PC3
PC-PT PC4
PC-PT PC5
Realtime
Simulation
Automatically Choose Connection Type
Type here to search
29°C
10:27 pm
20/05/2022

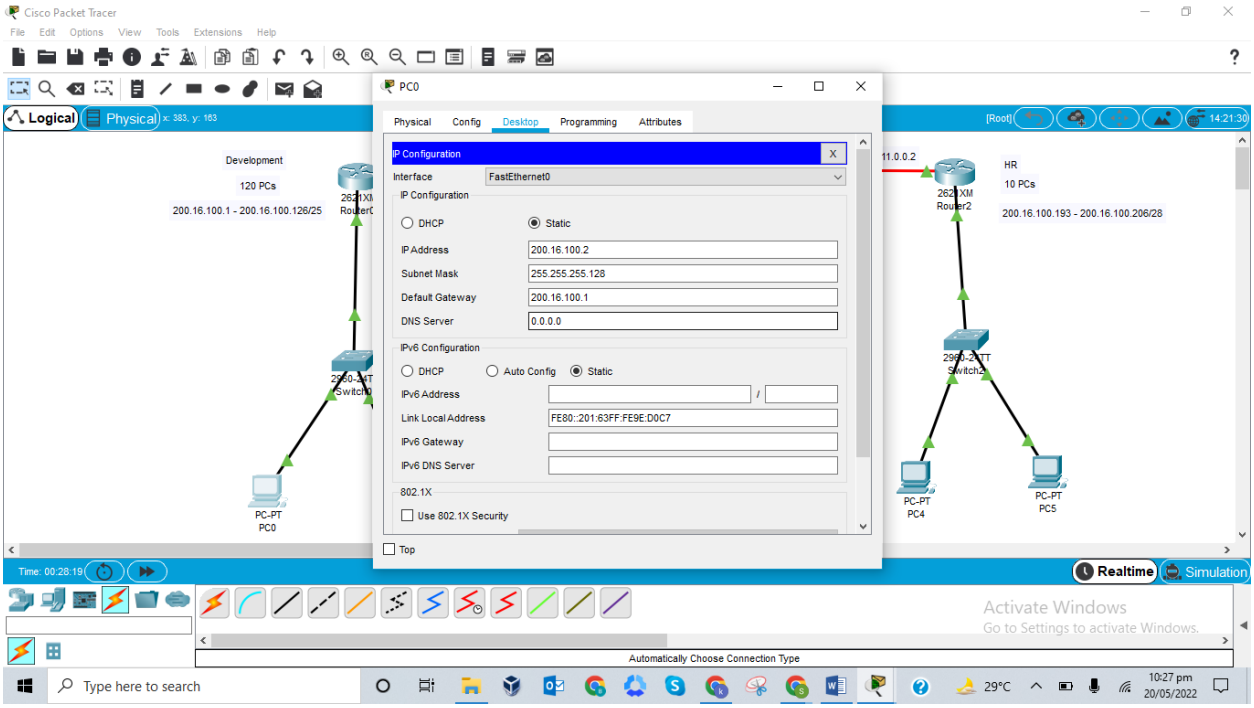

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
Development
11.0.0.1
11.0.0.2
Finance
35 PCs
200.16.100.129 - 200.16.100.190/26
HR
10 PCs
200.16.100.193 - 200.16.100.206/28
Port Link IP Address IPv6 Address MAC Address
FastEthernet0/0 Up 200.16.100.129/26 <not set> 0030.F289.2401
FastEthernet0/1 Down <not set> <not set> 0030.F289.2402
Serial0/0 Up 10.0.0.2/8 <not set> <not set>
Serial0/1 Up 11.0.0.1/8 <not set> <not set>
Hostname: Router
Physical Location: Intercity, Home City, Corporate Office, Main Wiring Closet
PC-PT PC0
PC-PT PC1
PC-PT PC2
PC-PT PC3
PC-PT PC4
PC-PT PC5
Realtime
Simulation
Automatically Choose Connection Type
Type here to search
29°C
10:27 pm
20/05/2022

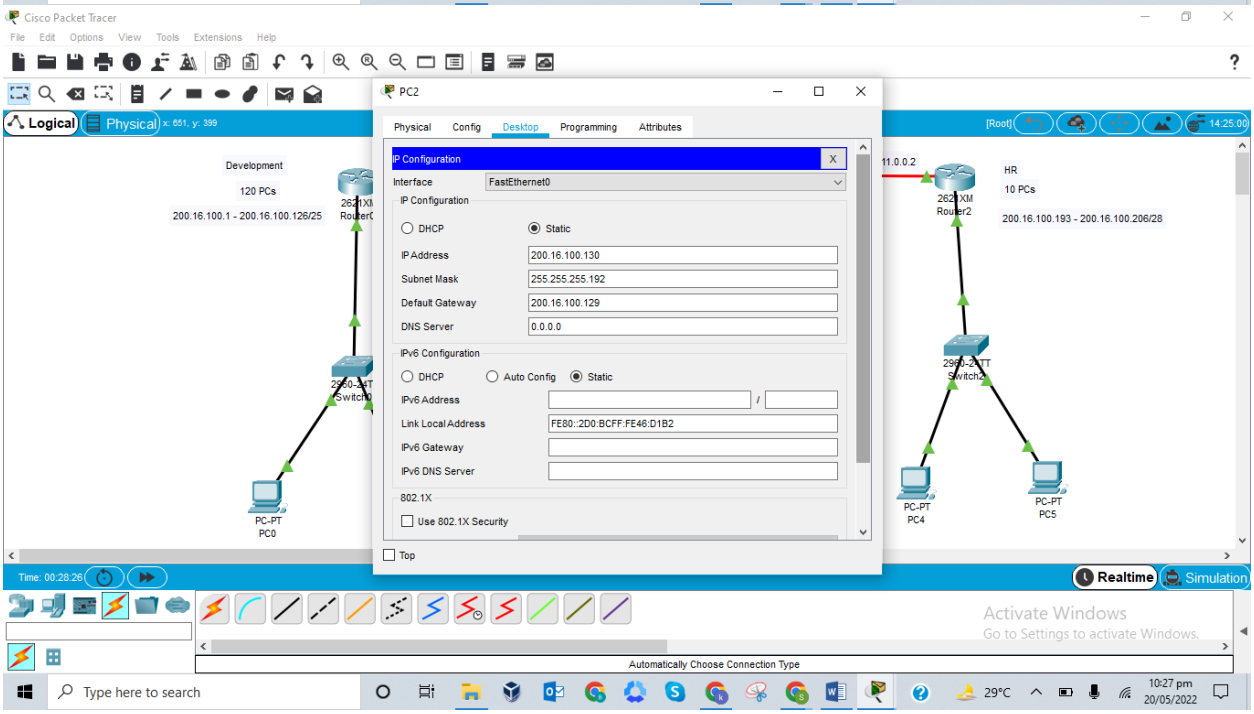

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
Development
120 PCs
200.16.100.1 - 200.16.100.12
11.0.0.1
11.0.0.2
HR
10 PCs
200.16.100.193 - 200.16.100.206/28
Port Link IP Address IPv6 Address MAC Address
FastEthernet0/0 Up 200.16.100.193/28 <not set> 0060.47C0.7901
FastEthernet0/1 Down <not set> <not set> 0060.47C0.7902
Serial0/0 Up 11.0.0.2/8 <not set> <not set>
Serial0/1 Down <not set> <not set> <not set>
Hostname: Router
Physical Location: Intercity, Home City, Corporate Office, Main Wiring Closet
PC-PT PC0
PC-PT PC1
PC-PT PC2
PC-PT PC3
PC-PT PC4
PC-PT PC5
Time: 00:27:49
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Automatically Choose Connection Type
Type here to search
29°C
10:27 pm
20/05/2022

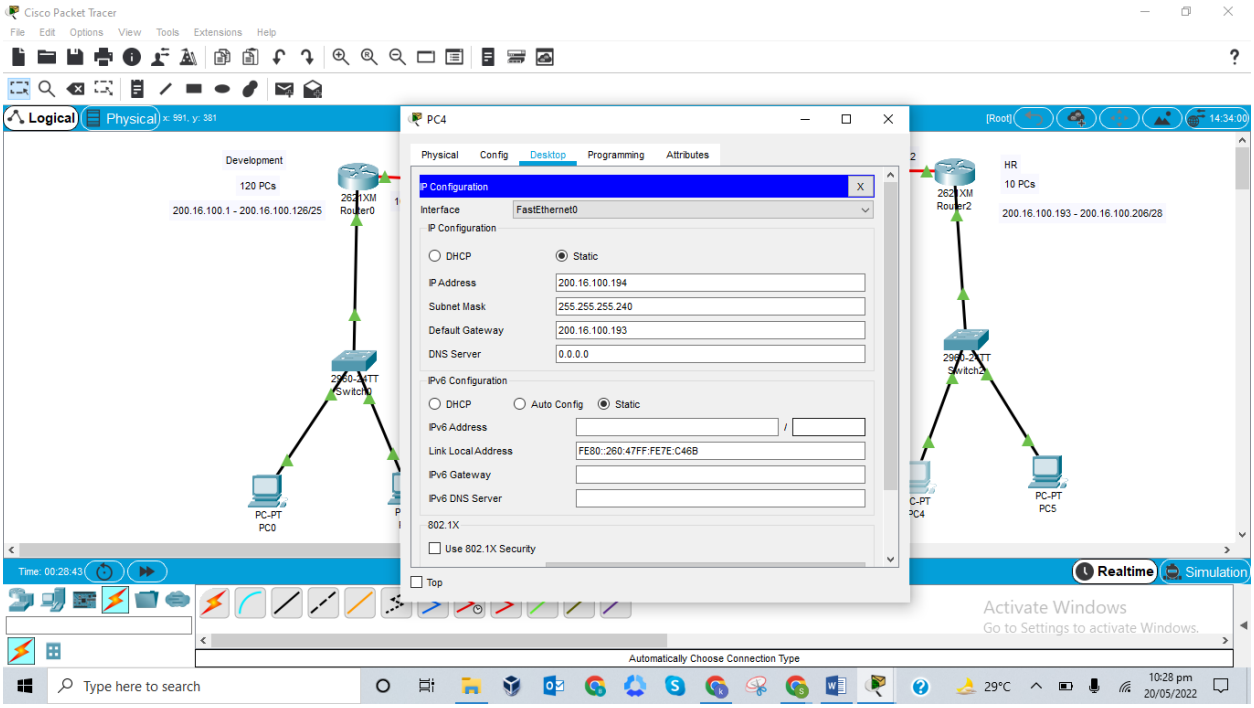

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
Router0
Physical Config CLI Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet0/1
Serial0/0
Serial0/1
Static Routes
Network
Mask
Next Hop
Add
Network Address
200.16.100.128/26 via 10.0.0.2
200.16.100.192/28 via 10.0.0.2
Remove
Equivalent IOS Commands
Router(config)#
Top
Development
120 PCs
200.16.100.1 - 200.16.100.126/25
11.0.0.2
HR
10 PCs
200.16.100.193 - 200.16.100.206/28
PC-PT PC0
PC-PT PC4
PC-PT PC5
Time: 00:27:56
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Automatically Choose Connection Type
Type here to search
29°C
10:27 pm
20/05/2022

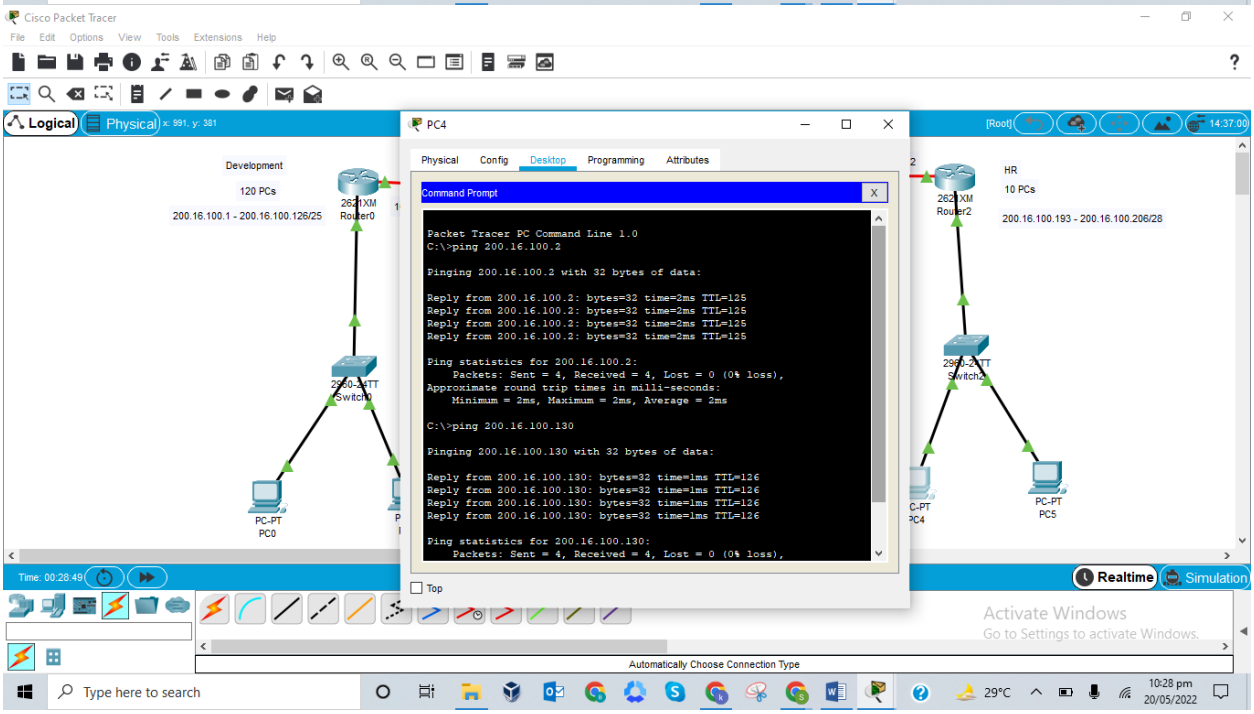

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
Development
120 PCs
200.16.100.1 - 200.16.100.126/25
HR
10 PCs
200.16.100.193 - 200.16.100.206/28
11.0.0.2
PC-PT
PC0
PC-PT
PC4
PC-PT
PC5
Router1
Physical
Config
CLI
Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet0/1
Serial0/0
Serial0/1
Static Routes
Network
Mask
Next Hop
Add
Network Address
200.16.100.0/25 via 10.0.0.1
200.16.100.192/28 via 11.0.0.2
Remove
Equivalent IOS Commands
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#
Top
Time: 00:28:03
Realtime
Simulation
Automatically Choose Connection Type
Activate Windows
Go to Settings to activate Windows.
Type here to search
29°C
10:27 pm
20/05/2022

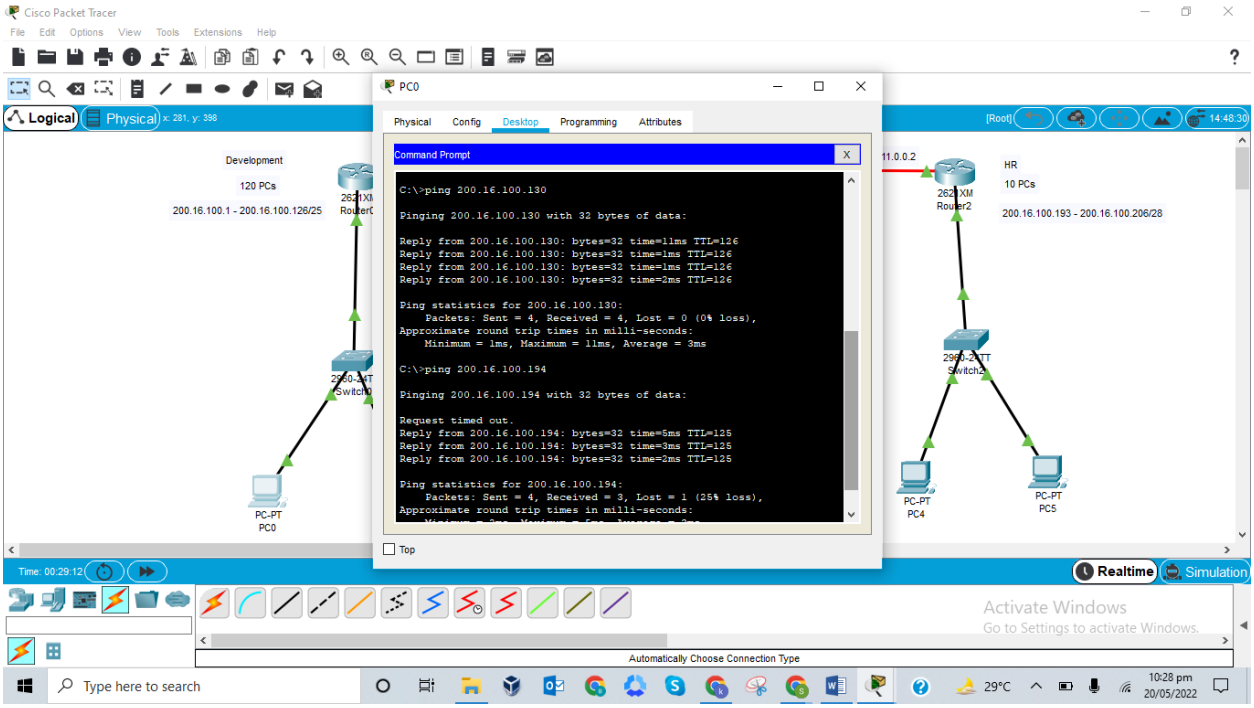

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
Development
120 PCs
200.16.100.1 - 200.16.100.126/25
HR
10 PCs
200.16.100.193 - 200.16.100.206/28
11.0.0.2
PC-PT
PC0
PC-PT
PC4
PC-PT
PC5
Router2
Physical
Config
CLI
Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet0/1
Serial0/0
Serial0/1
Static Routes
Network
Mask
Next Hop
Add
Network Address
200.16.100.128/26 via 11.0.0.1
200.16.100.0/25 via 11.0.0.1
Remove
Equivalent IOS Commands
Router(config)#ip route 200.16.100.128 255.255.255.192 11.0.0.1
Router(config)#ip route 200.16.100.0 255.255.255.128 11.0.0.1
Router(config)#
Top
Time: 00:28:13
Realtime
Simulation
Automatically Choose Connection Type
Activate Windows
Go to Settings to activate Windows.
Type here to search
29°C
10:27 pm
20/05/2022

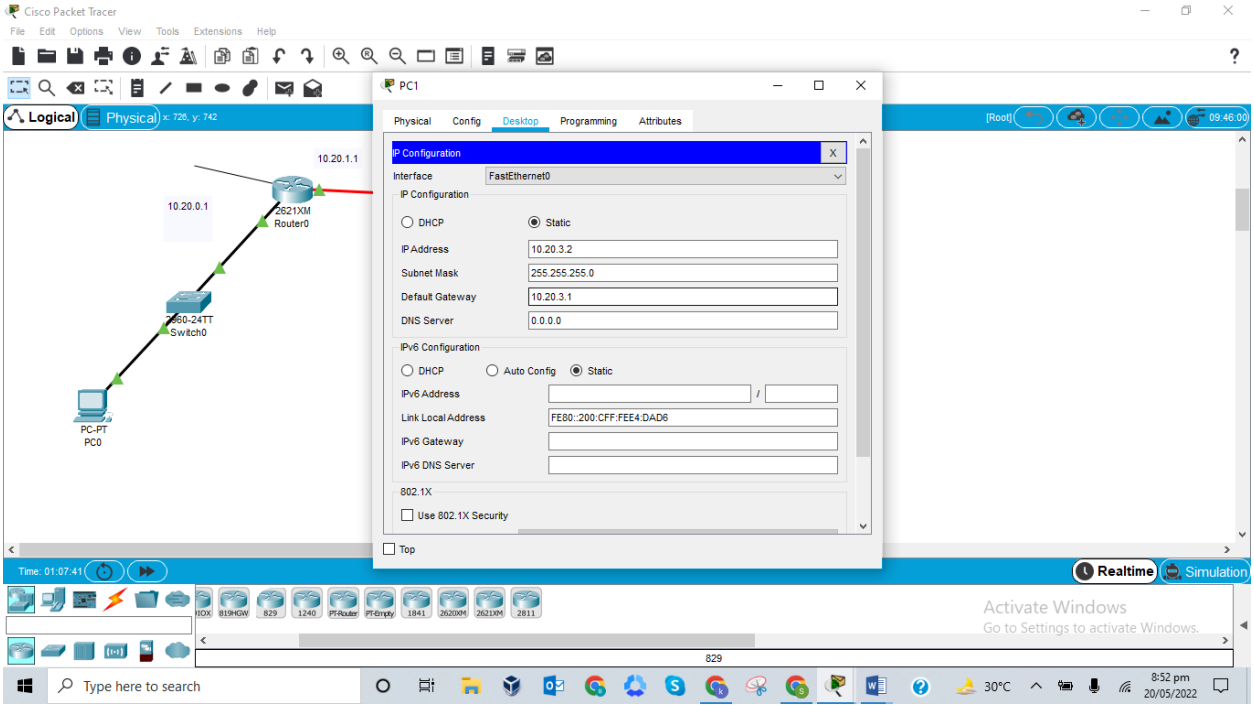

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
x: 383, y: 163
PC0
Physical Config Desktop Programming Attributes
IP Configuration
Interface FastEthernet0
IP Configuration
DHCP
Static
IP Address 200.16.100.2
Subnet Mask 255.255.255.128
Default Gateway 200.16.100.1
DNS Server 0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address FE80::201:63FF:FE9E:D0C7
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top
Development
120 PCs
200.16.100.1 - 200.16.100.126/25
11.0.0.2
HR
10 PCs
200.16.100.193 - 200.16.100.206/28
PC-PT
PC0
PC-PT
PC4
PC-PT
PC5
Time: 00:28:19
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Automatically Choose Connection Type
Type here to search
29°C
10:27 pm
20/05/2022

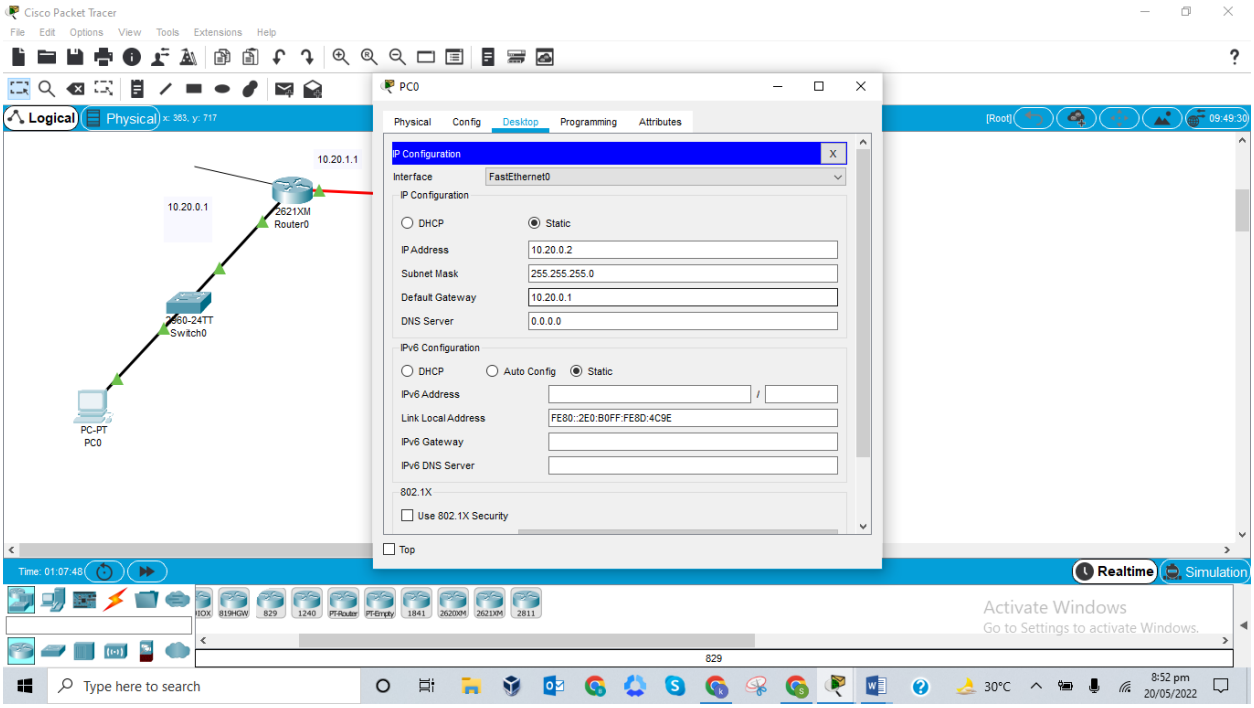

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
x: 651, y: 399
PC2
Physical Config Desktop Programming Attributes
IP Configuration
Interface FastEthernet0
IP Configuration
DHCP
Static
IP Address 200.16.100.130
Subnet Mask 255.255.255.192
Default Gateway 200.16.100.129
DNS Server 0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address FE80::2D0:BCFF:FE46:D1B2
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top
Development
120 PCs
200.16.100.1 - 200.16.100.126/25
11.0.0.2
HR
10 PCs
200.16.100.193 - 200.16.100.206/28
PC-PT
PC0
PC-PT
PC4
PC-PT
PC5
Time: 00:28:26
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Automatically Choose Connection Type
Type here to search
29°C
10:27 pm
20/05/2022

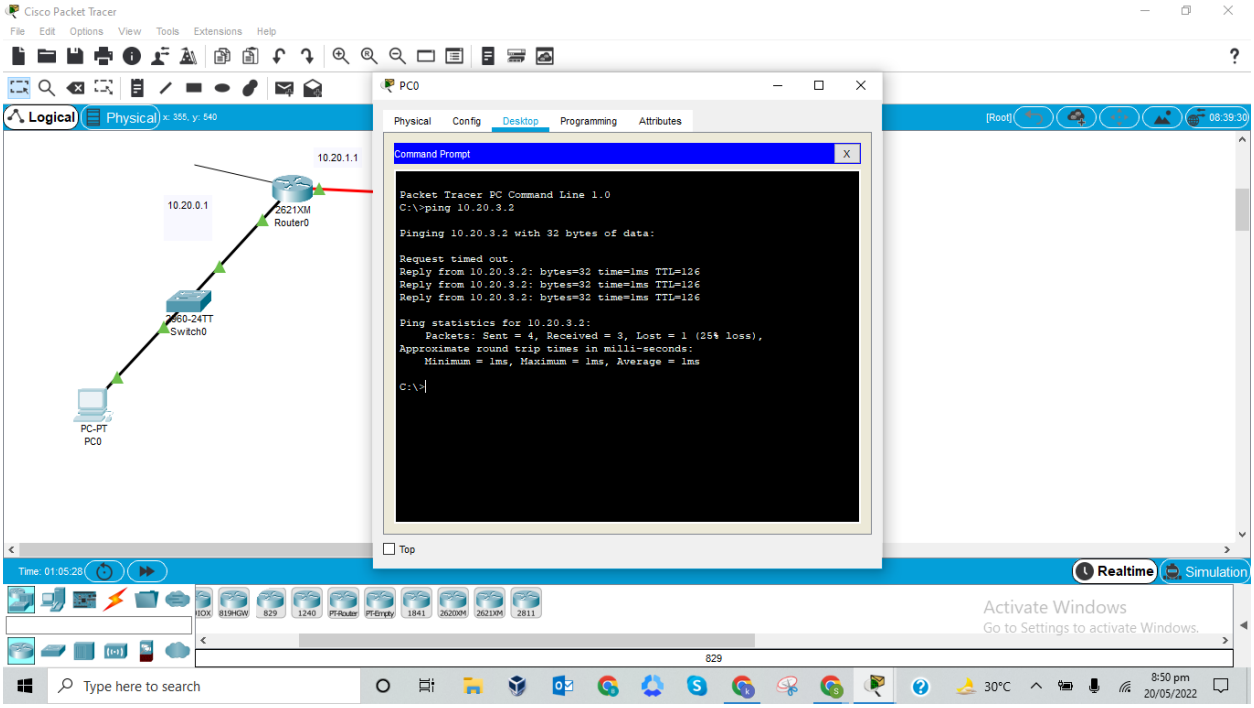

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
Development
120 PCs
200.16.100.1 - 200.16.100.126/25
2621XM Router0
2960-24TT Switch0
PC-PT PC0
HR
10 PCs
200.16.100.193 - 200.16.100.206/28
2621XM Router2
2960-24TT Switch2
PC-PT PC5
PC4
Physical Config Desktop Programming Attributes
IP Configuration
Interface FastEthernet0
IP Configuration
DHCP
Static
IP Address 200.16.100.194
Subnet Mask 255.255.255.240
Default Gateway 200.16.100.193
DNS Server 0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address FE80::260:47FF:FE7E:C46B
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top
Time: 00:28:43
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Automatically Choose Connection Type
Type here to search
29°C
10:28 pm
20/05/2022


Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
Development
120 PCs
200.16.100.1 - 200.16.100.126/25
2621XM Router0
2960-24TT Switch0
PC-PT PC0
HR
10 PCs
200.16.100.193 - 200.16.100.206/28
2621XM Router2
2960-24TT Switch2
PC-PT PC5
PC4
Physical Config Desktop Programming Attributes
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ping 200.16.100.2
Pinging 200.16.100.2 with 32 bytes of data:
Reply from 200.16.100.2: bytes=32 time=2ms TTL=125
Reply from 200.16.100.2: bytes=32 time=2ms TTL=125
Reply from 200.16.100.2: bytes=32 time=2ms TTL=125
Reply from 200.16.100.2: bytes=32 time=2ms TTL=125
Ping statistics for 200.16.100.2:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 2ms, Average = 2ms
C:\>ping 200.16.100.130
Pinging 200.16.100.130 with 32 bytes of data:
Reply from 200.16.100.130: bytes=32 time=1ms TTL=126
Reply from 200.16.100.130: bytes=32 time=1ms TTL=126
Reply from 200.16.100.130: bytes=32 time=1ms TTL=126
Reply from 200.16.100.130: bytes=32 time=1ms TTL=126
Ping statistics for 200.16.100.130:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Top
Time: 00:28:49
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Automatically Choose Connection Type
Type here to search
29°C
10:28 pm
20/05/2022

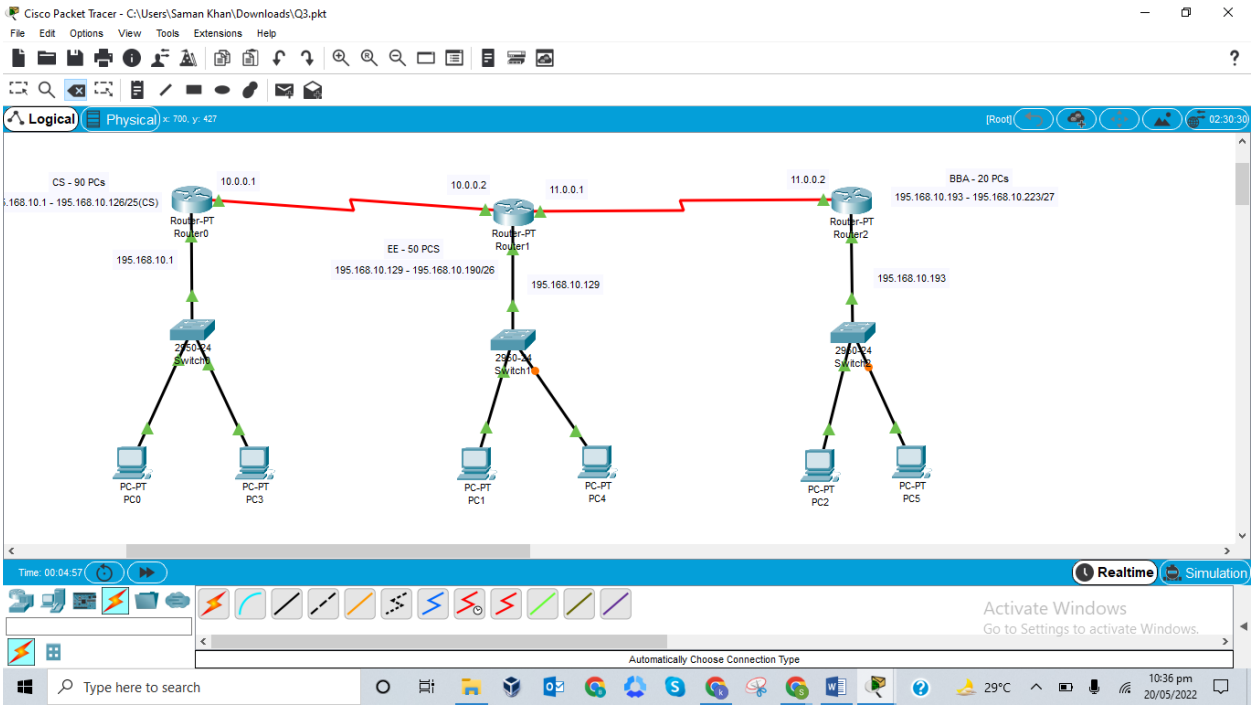

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
PC0
Physical Config Desktop Programming Attributes
Command Prompt
C:\>ping 200.16.100.130
Pinging 200.16.100.130 with 32 bytes of data:
Reply from 200.16.100.130: bytes=32 time=11ms TTL=126
Reply from 200.16.100.130: bytes=32 time=1ms TTL=126
Reply from 200.16.100.130: bytes=32 time=1ms TTL=126
Reply from 200.16.100.130: bytes=32 time=2ms TTL=126
Ping statistics for 200.16.100.130:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 11ms, Average = 3ms
C:\>ping 200.16.100.194
Pinging 200.16.100.194 with 32 bytes of data:
Request timed out.
Reply from 200.16.100.194: bytes=32 time=5ms TTL=125
Reply from 200.16.100.194: bytes=32 time=3ms TTL=125
Reply from 200.16.100.194: bytes=32 time=2ms TTL=125
Ping statistics for 200.16.100.194:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Top
Development
120 PCs
200.16.100.1 - 200.16.100.126/25
HR
10 PCs
200.16.100.193 - 200.16.100.206/28
PC-PT PC0
PC-PT PC4
PC-PT PC5
Realtime
Simulation
Automatically Choose Connection Type
Activate Windows
Go to Settings to activate Windows.
Type here to search
29°C
10:28 pm
20/05/2022

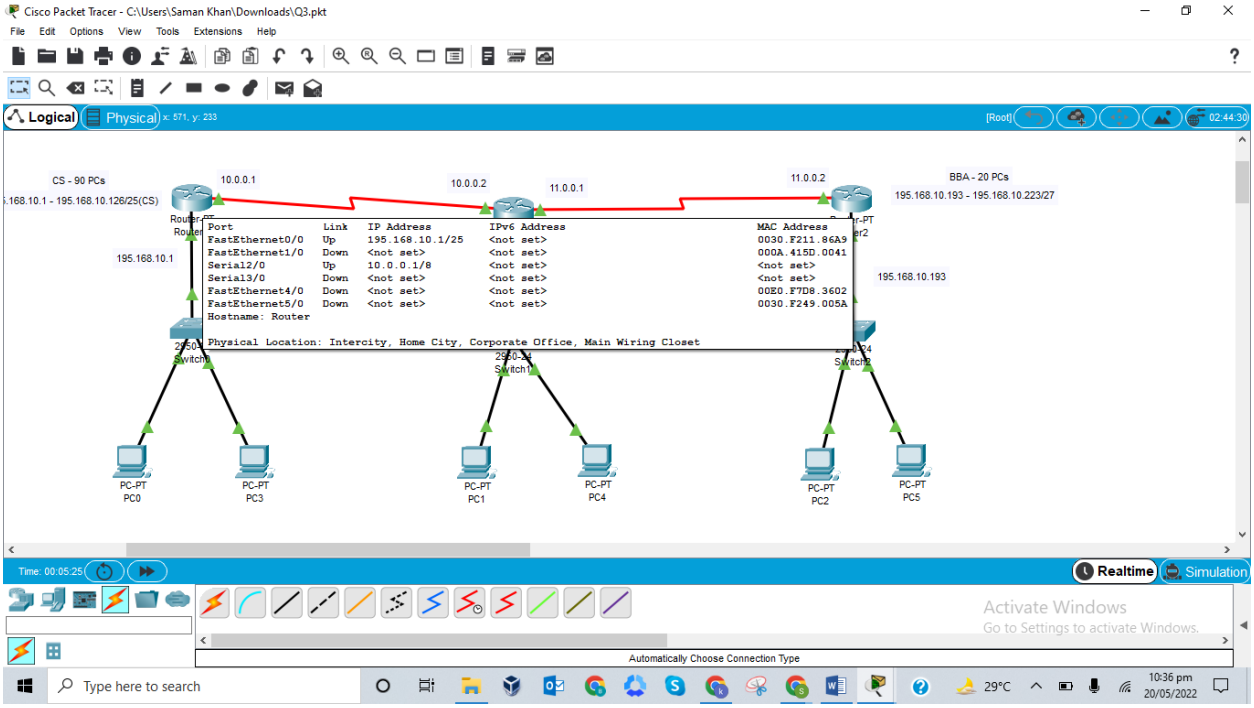

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
PC1
Physical Config Desktop Programming Attributes
IP Configuration
Interface FastEthernet0
IP Configuration
DHCP
Static
IP Address 10.20.3.2
Subnet Mask 255.255.255.0
Default Gateway 10.20.3.1
DNS Server 0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address FE80::200:CFF:FEE4:DAD6
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top
10.20.1.1
10.20.0.1
2621XM Router0
2960-24TT Switch0
PC-PT PC0
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Type here to search
30°C
8:52 pm
20/05/2022

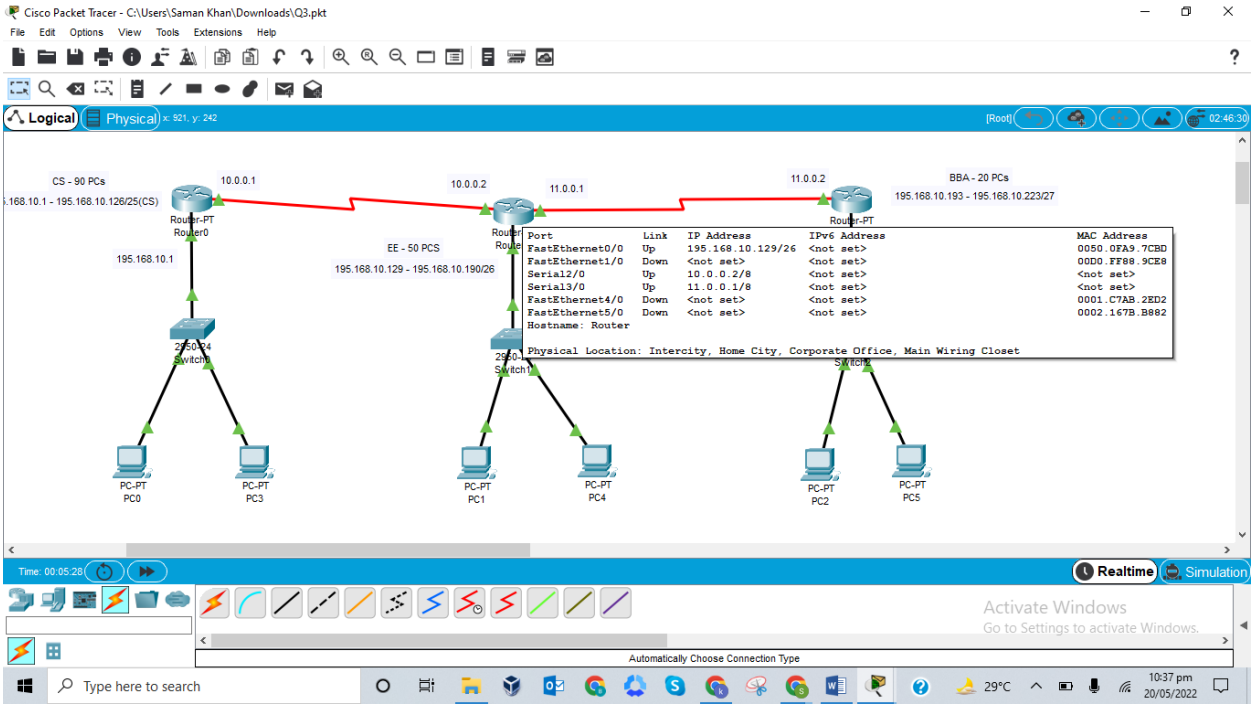

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
10.20.1.1
10.20.0.1
2621XM
Router0
2960-24TT
Switch0
PC-PT
PC0
PC0
Physical Config Desktop Programming Attributes
IP Configuration
Interface FastEthernet0
IP Configuration
DHCP
Static
IP Address 10.20.0.2
Subnet Mask 255.255.255.0
Default Gateway 10.20.0.1
DNS Server 0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address FE80::2E0:B0FF:FE8D:4C9E
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Type here to search
30°C
8:52 pm
20/05/2022

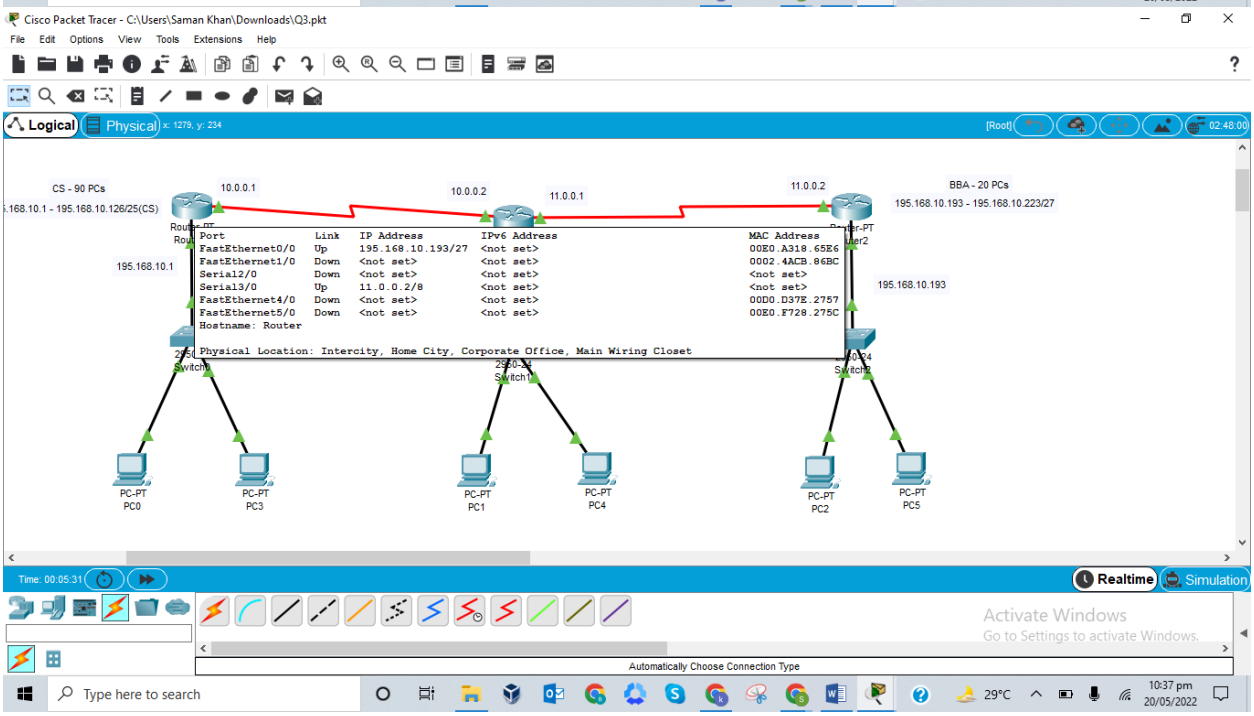

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
10.20.1.1
10.20.0.1
2621XM
Router0
2960-24TT
Switch0
PC-PT
PC0
PC0
Physical Config Desktop Programming Attributes
Command Prompt
Packet Tracer PC Command Line 1.0
C:\>ping 10.20.3.2
Pinging 10.20.3.2 with 32 bytes of data:
Request timed out.
Reply from 10.20.3.2: bytes=32 time=1ms TTL=126
Reply from 10.20.3.2: bytes=32 time=1ms TTL=126
Reply from 10.20.3.2: bytes=32 time=1ms TTL=126
Ping statistics for 10.20.3.2:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 1ms, Maximum = 1ms, Average = 1ms
C:\>
Top
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Type here to search
30°C
8:50 pm
20/05/2022

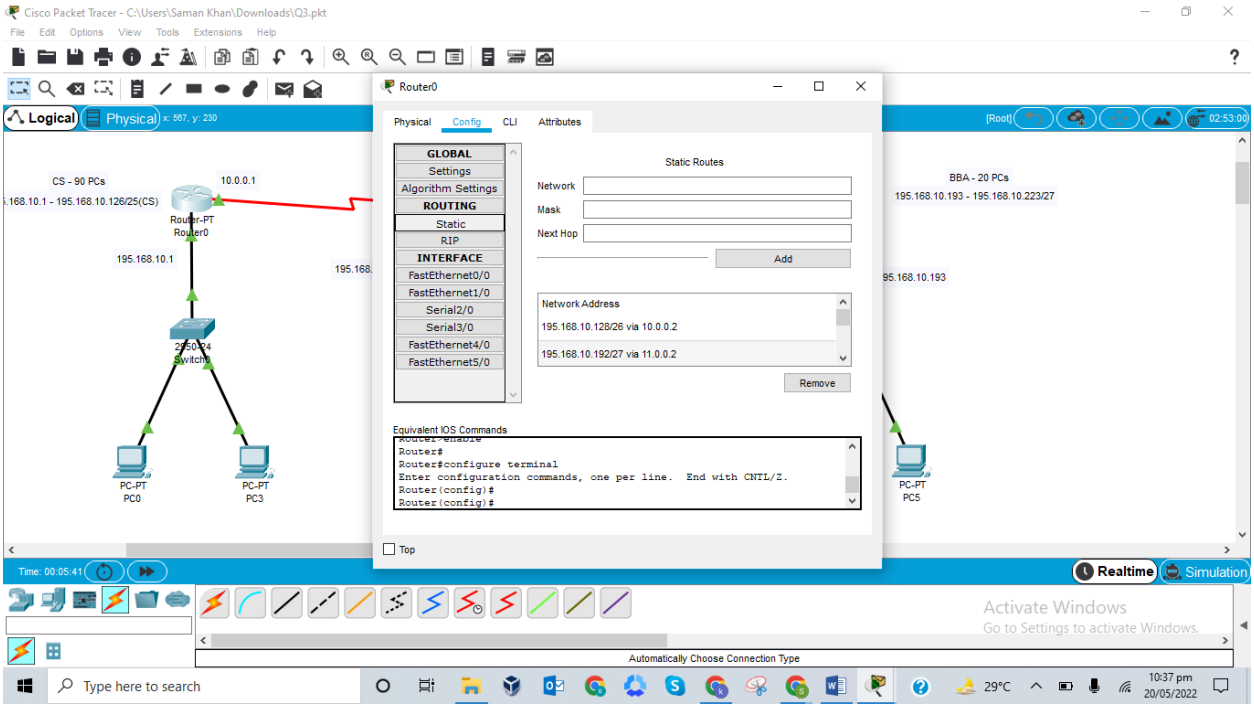
Question#03:

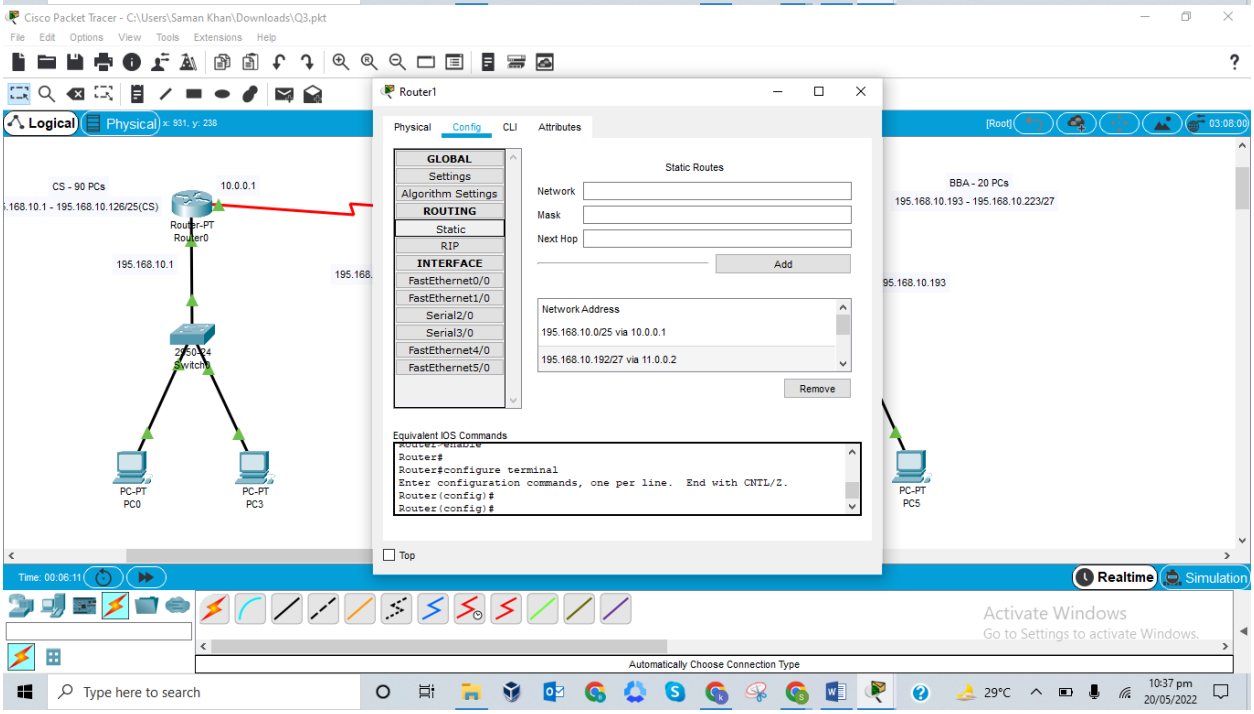

Cisco Packet Tracer - C:\Users\Saman Khan\Downloads\Q3.pkt
File Edit Options View Tools Extensions Help
Logical
Physical
CS - 90 PCs
.168.10.1 - 195.168.10.126/25(CS)
10.0.0.1
10.0.0.2
11.0.0.1
11.0.0.2
BBA - 20 PCs
195.168.10.193 - 195.168.10.223/27
Router-PT
Router0
Router-PT
Router1
Router-PT
Router2
EE - 50 PCS
195.168.10.129 - 195.168.10.190/26
195.168.10.1
195.168.10.129
195.168.10.193
2950-24
Switch0
2950-24
Switch1
2950-24
Switch2
PC-PT
PC0
PC-PT
PC3
PC-PT
PC1
PC-PT
PC4
PC-PT
PC2
PC-PT
PC5
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Automatically Choose Connection Type
Type here to search
29°C
10:36 pm
20/05/2022

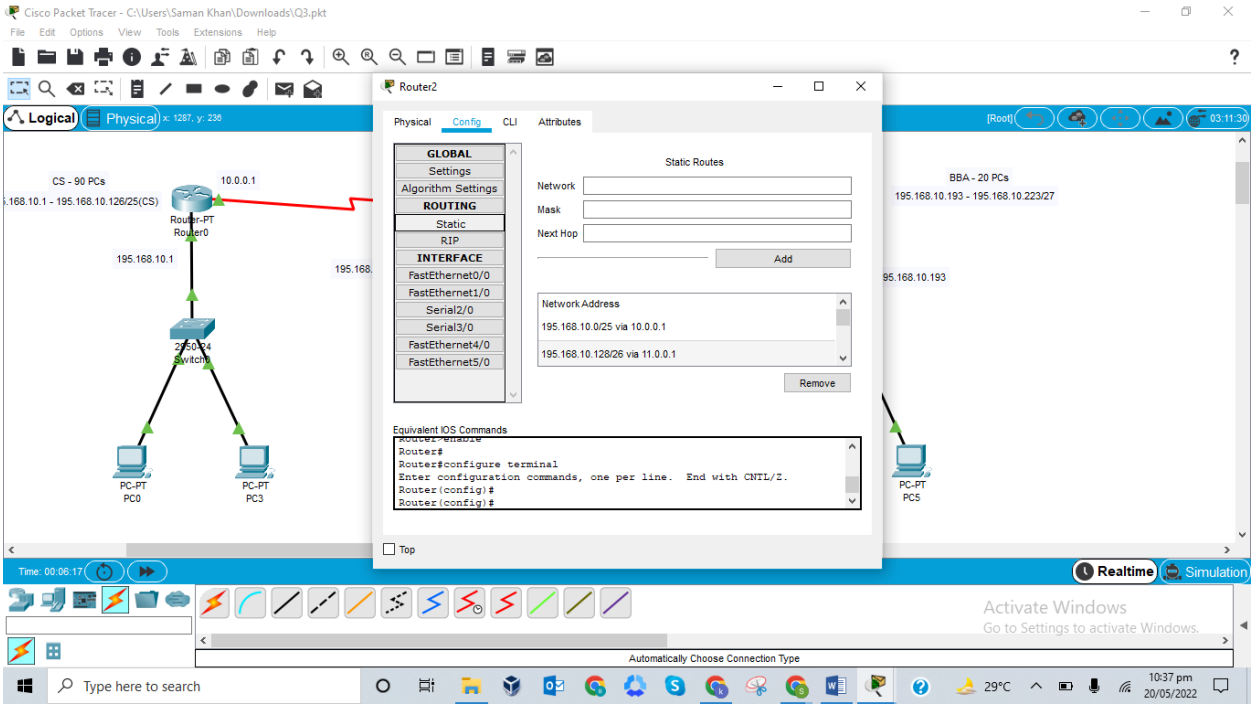

Cisco Packet Tracer - C:\Users\Saman Khan\Downloads\Q3.pkt
File Edit Options View Tools Extensions Help
Logical
Physical
CS - 90 PCs
.168.10.1 - 195.168.10.126/25(CS)
10.0.0.1
10.0.0.2
11.0.0.1
11.0.0.2
BBA - 20 PCs
195.168.10.193 - 195.168.10.223/27
Port Link IP Address IPv6 Address MAC Address
FastEthernet0/0 Up 195.168.10.1/25 <not set> 0030.F211.86A9
FastEthernet1/0 Down <not set> <not set> 000A.415D.0041
Serial2/0 Up 10.0.0.1/8 <not set> <not set>
Serial3/0 Down <not set> <not set> <not set>
FastEthernet4/0 Down <not set> <not set> 00E0.F7D8.3602
FastEthernet5/0 Down <not set> <not set> 0030.F249.005A
Hostname: Router
Physical Location: Intercity, Home City, Corporate Office, Main Wiring Closet
195.168.10.1
195.168.10.193
PC-PT
PC0
PC-PT
PC3
PC-PT
PC1
PC-PT
PC4
PC-PT
PC2
PC-PT
PC5
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Automatically Choose Connection Type
Type here to search
29°C
10:36 pm
20/05/2022

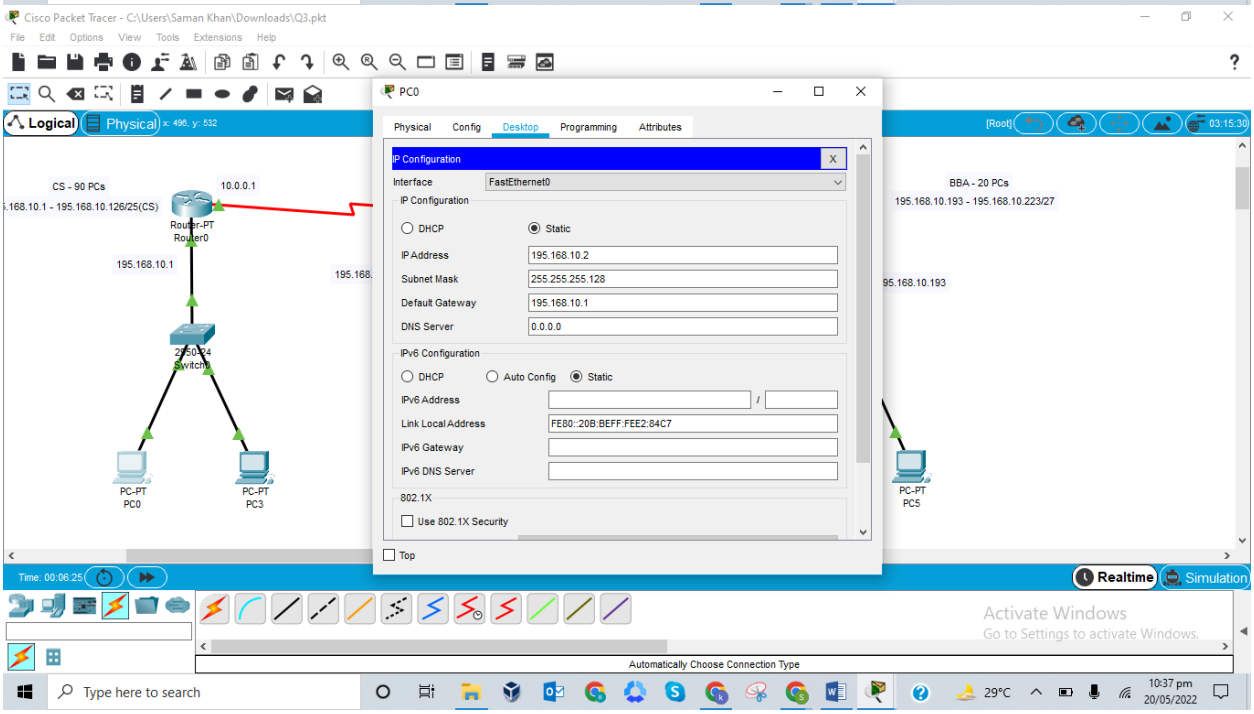

Cisco Packet Tracer - C:\Users\Saman Khan\Downloads\Q3.pkt
File Edit Options View Tools Extensions Help
Logical
Physical
CS - 90 PCs
.168.10.1 - 195.168.10.126/25(CS)
10.0.0.1
10.0.0.2
11.0.0.1
11.0.0.2
BBA - 20 PCs
195.168.10.193 - 195.168.10.223/27
Router-PT
Router0
195.168.10.1
EE - 50 PCS
195.168.10.129 - 195.168.10.190/26
Port Link IP Address IPv6 Address MAC Address
FastEthernet0/0 Up 195.168.10.129/26 <not set> 0050.0FA9.7CBD
FastEthernet1/0 Down <not set> <not set> 00D0.FF88.9CE8
Serial2/0 Up 10.0.0.2/8 <not set> <not set>
Serial3/0 Up 11.0.0.1/8 <not set> <not set>
FastEthernet4/0 Down <not set> <not set> 0001.C7AB.2ED2
FastEthernet5/0 Down <not set> <not set> 0002.167B.B882
Hostname: Router
Physical Location: Intercity, Home City, Corporate Office, Main Wiring Closet
PC-PT PC0
PC-PT PC3
PC-PT PC1
PC-PT PC4
PC-PT PC2
PC-PT PC5
Time: 00:05:28
Realtime
Simulation
Automatically Choose Connection Type
Activate Windows
Go to Settings to activate Windows.
Type here to search
29°C
10:37 pm
20/05/2022

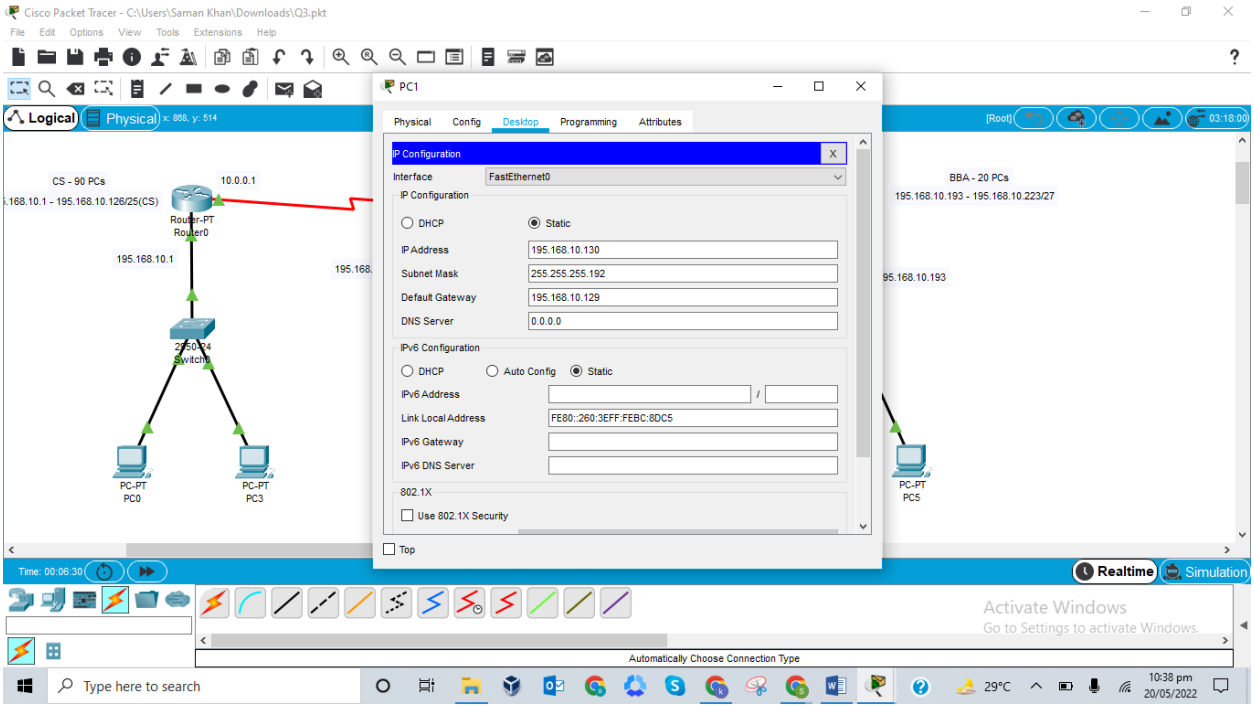

Cisco Packet Tracer - C:\Users\Saman Khan\Downloads\Q3.pkt
File Edit Options View Tools Extensions Help
Logical
Physical
CS - 90 PCs
.168.10.1 - 195.168.10.126/25(CS)
10.0.0.1
10.0.0.2
11.0.0.1
11.0.0.2
BBA - 20 PCs
195.168.10.193 - 195.168.10.223/27
195.168.10.1
195.168.10.193
Port Link IP Address IPv6 Address MAC Address
FastEthernet0/0 Up 195.168.10.193/27 <not set> 00E0.A318.65E6
FastEthernet1/0 Down <not set> <not set> 0002.4ACB.86BC
Serial2/0 Down <not set> <not set> <not set>
Serial3/0 Up 11.0.0.2/8 <not set> <not set>
FastEthernet4/0 Down <not set> <not set> 00D0.D37E.2757
FastEthernet5/0 Down <not set> <not set> 00E0.F728.275C
Hostname: Router
Physical Location: Intercity, Home City, Corporate Office, Main Wiring Closet
PC-PT PC0
PC-PT PC3
PC-PT PC1
PC-PT PC4
PC-PT PC2
PC-PT PC5
Time: 00:05:31
Realtime
Simulation
Automatically Choose Connection Type
Activate Windows
Go to Settings to activate Windows.
Type here to search
29°C
10:37 pm
20/05/2022

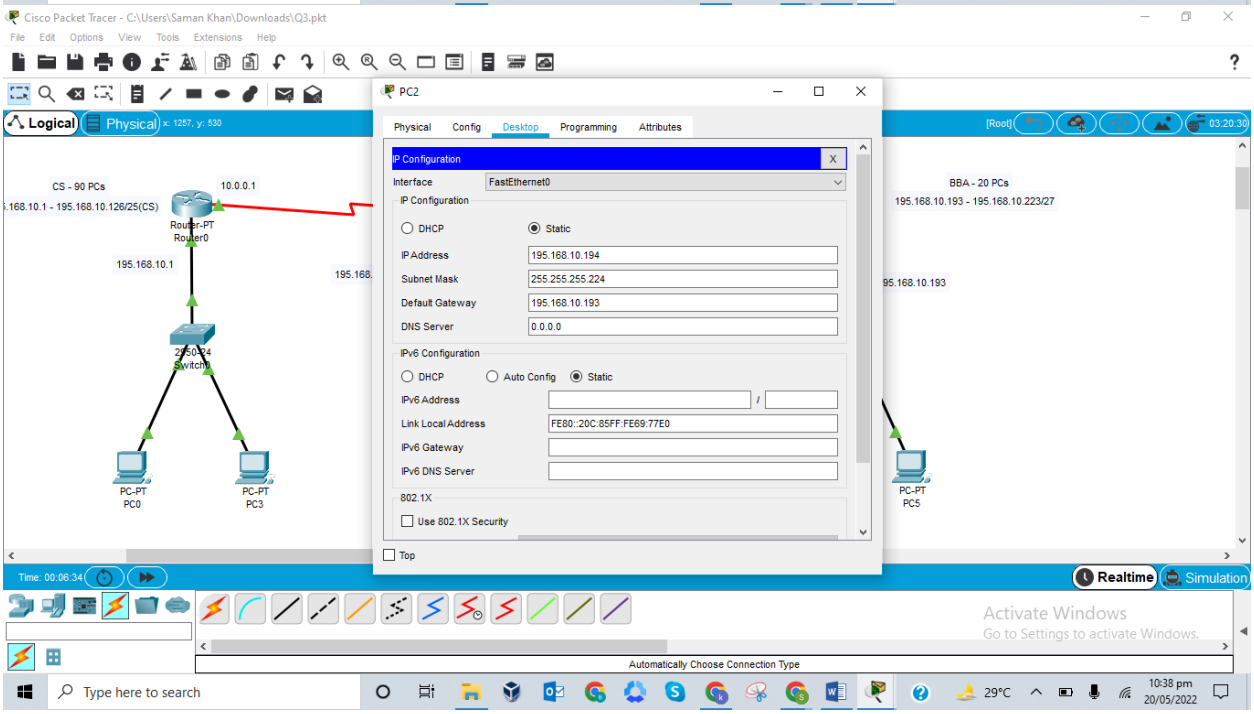

Cisco Packet Tracer - C:\Users\Saman Khan\Downloads\Q3.pkt
File Edit Options View Tools Extensions Help
Logical
Physical
Router0
Physical Config CLI Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet1/0
Serial2/0
Serial3/0
FastEthernet4/0
FastEthernet5/0
Static Routes
Network
Mask
Next Hop
Add
Network Address
195.168.10.128/26 via 10.0.0.2
195.168.10.192/27 via 11.0.0.2
Remove
Equivalent IOS Commands
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#
Top
CS - 90 PCs
10.0.0.1
Router-PT
Router0
195.168.10.1
2950-24
Switch0
PC-PT
PC0
PC-PT
PC3
BBA - 20 PCs
195.168.10.193 - 195.168.10.223/27
PC-PT
PC5
Time: 00:05:41
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Automatically Choose Connection Type
Type here to search
29°C
10:37 pm
20/05/2022

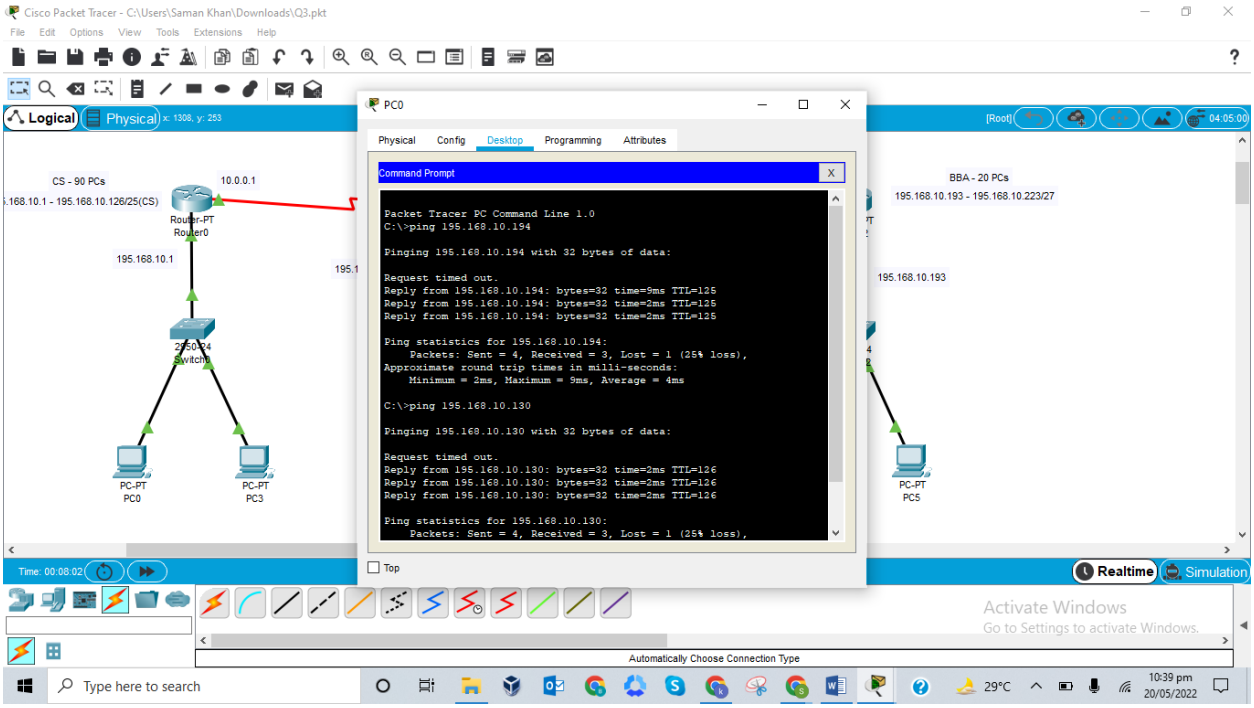

Cisco Packet Tracer - C:\Users\Saman Khan\Downloads\Q3.pkt
File Edit Options View Tools Extensions Help
Logical
Physical
Router1
Physical Config CLI Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet1/0
Serial2/0
Serial3/0
FastEthernet4/0
FastEthernet5/0
Static Routes
Network
Mask
Next Hop
Add
Network Address
195.168.10.0/25 via 10.0.0.1
195.168.10.192/27 via 11.0.0.2
Remove
Equivalent IOS Commands
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#
Top
CS - 90 PCs
10.0.0.1
Router-PT
Router0
195.168.10.1
2950-24
Switch0
PC-PT
PC0
PC-PT
PC3
BBA - 20 PCs
195.168.10.193 - 195.168.10.223/27
PC-PT
PC5
Time: 00:06:11
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Automatically Choose Connection Type
Type here to search
29°C
10:37 pm
20/05/2022


Cisco Packet Tracer - C:\Users\Saman Khan\Downloads\Q3.pkt
File Edit Options View Tools Extensions Help
Logical
Physical
Router2
Physical Config CLI Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet1/0
Serial2/0
Serial3/0
FastEthernet4/0
FastEthernet5/0
Static Routes
Network
Mask
Next Hop
Add
Network Address
195.168.10.0/25 via 10.0.0.1
195.168.10.128/26 via 11.0.0.1
Remove
Equivalent IOS Commands
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#
Top
CS - 90 PCs
10.0.0.1
Router-PT
Router0
195.168.10.1
2950-24
Switch0
PC-PT
PC0
PC-PT
PC3
BBA - 20 PCs
195.168.10.193 - 195.168.10.223/27
PC-PT
PC5
Realtime
Simulation
Automatically Choose Connection Type
Type here to search
29°C
10:37 pm
20/05/2022

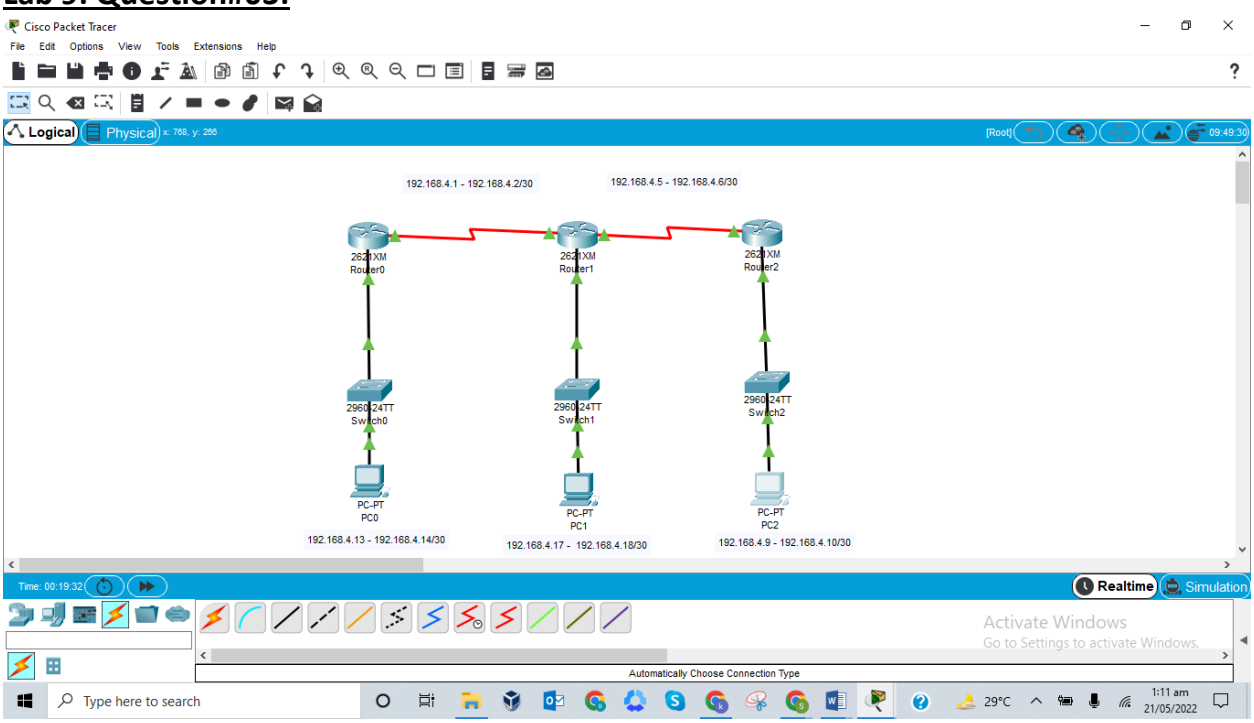

Cisco Packet Tracer - C:\Users\Saman Khan\Downloads\Q3.pkt
File Edit Options View Tools Extensions Help
Logical
Physical
PC0
Physical Config Desktop Programming Attributes
IP Configuration
Interface
FastEthernet0
IP Configuration
DHCP
Static
IP Address
195.168.10.2
Subnet Mask
255.255.255.128
Default Gateway
195.168.10.1
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::20B:BEFF:FEE2:84C7
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top
CS - 90 PCs
10.0.0.1
Router-PT
Router0
195.168.10.1
2950-24
Switch0
PC-PT
PC0
PC-PT
PC3
BBA - 20 PCs
195.168.10.193 - 195.168.10.223/27
PC-PT
PC5
Realtime
Simulation
Automatically Choose Connection Type
Type here to search
29°C
10:37 pm
20/05/2022

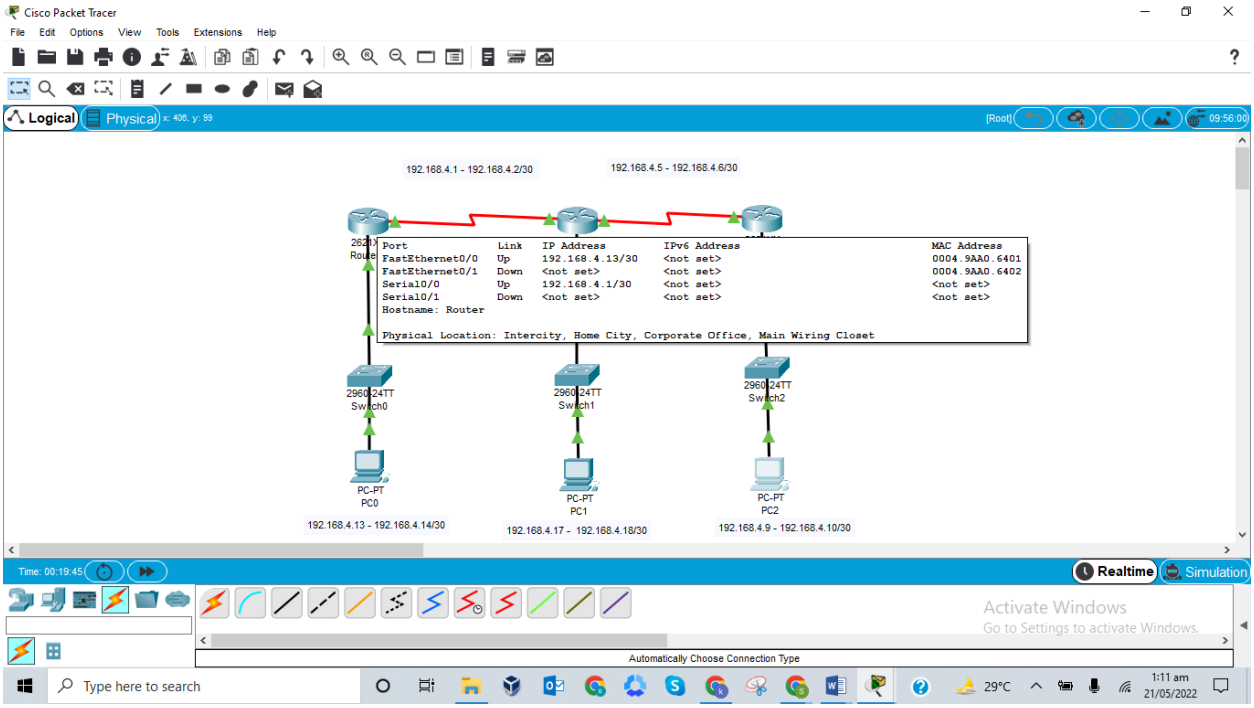

Cisco Packet Tracer - C:\Users\Saman Khan\Downloads\Q3.pkt
File Edit Options View Tools Extensions Help
Logical
Physical
PC1
Physical Config Desktop Programming Attributes
IP Configuration
Interface FastEthernet0
IP Configuration
DHCP
Static
IP Address 195.168.10.130
Subnet Mask 255.255.255.192
Default Gateway 195.168.10.129
DNS Server 0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address FE80::260:3EFF:FEBC:8DC5
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top
CS - 90 PCs
10.0.0.1
Router-PT
Router0
195.168.10.1
2950-24
Switch0
PC-PT
PC0
PC-PT
PC3
BBA - 20 PCs
195.168.10.193 - 195.168.10.223/27
PC-PT
PC5
Realtime
Simulation
Automatically Choose Connection Type
Activate Windows
Go to Settings to activate Windows.
Type here to search
29°C
10:38 pm
20/05/2022

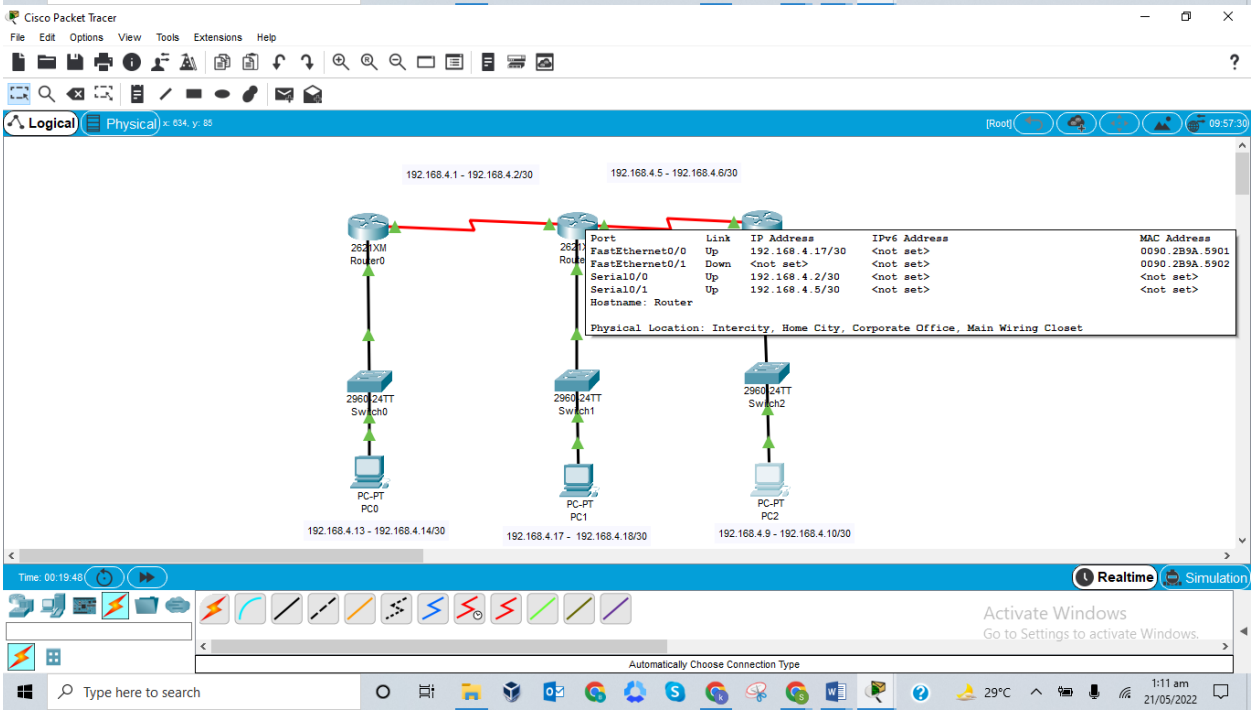

Cisco Packet Tracer - C:\Users\Saman Khan\Downloads\Q3.pkt
File Edit Options View Tools Extensions Help
Logical
Physical
PC2
Physical Config Desktop Programming Attributes
IP Configuration
Interface FastEthernet0
IP Configuration
DHCP
Static
IP Address 195.168.10.194
Subnet Mask 255.255.255.224
Default Gateway 195.168.10.193
DNS Server 0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address FE80::20C:85FF:FE69:77E0
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top
CS - 90 PCs
10.0.0.1
Router-PT
Router0
195.168.10.1
2950-24
Switch0
PC-PT
PC0
PC-PT
PC3
BBA - 20 PCs
195.168.10.193 - 195.168.10.223/27
PC-PT
PC5
Realtime
Simulation
Automatically Choose Connection Type
Activate Windows
Go to Settings to activate Windows.
Type here to search
29°C
10:38 pm
20/05/2022

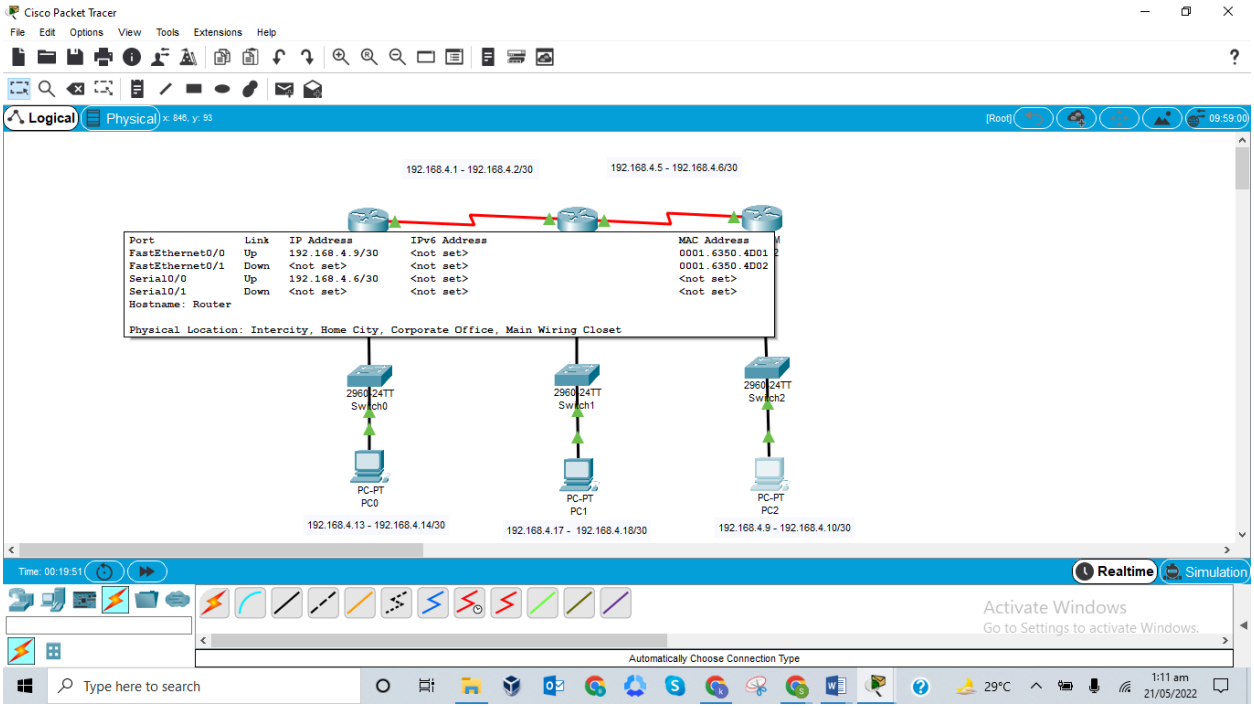


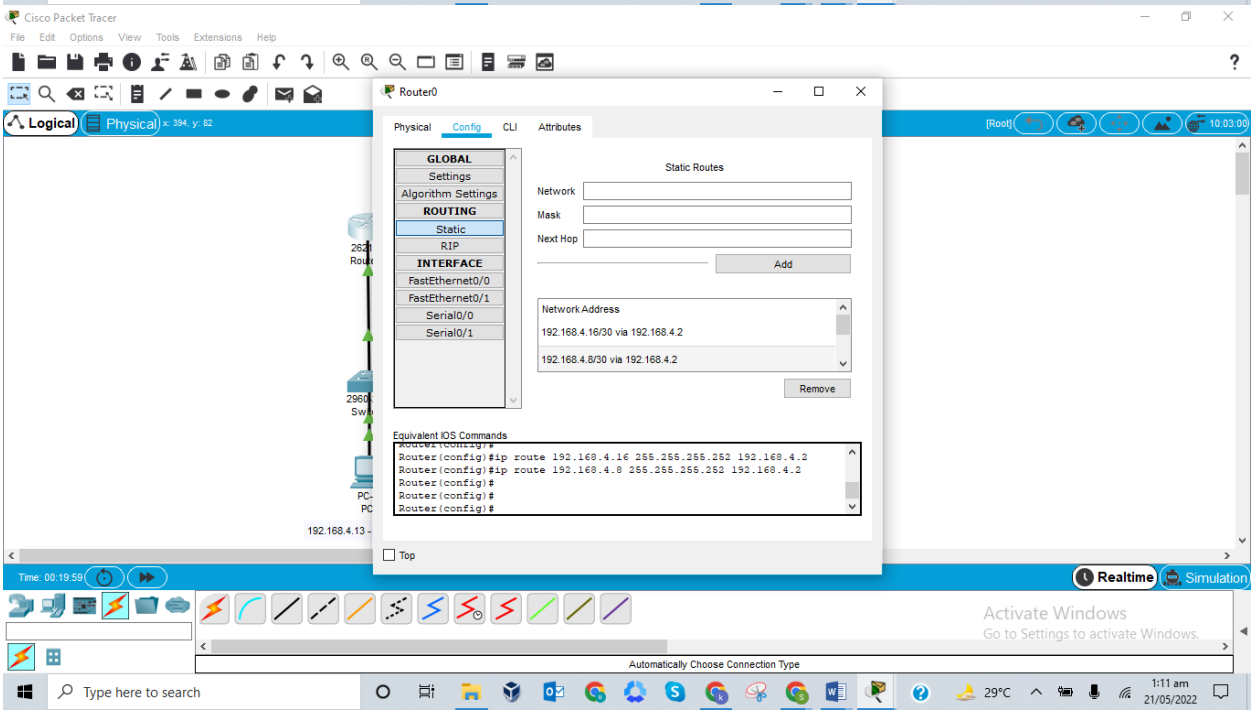
Lab 9: Question#03:

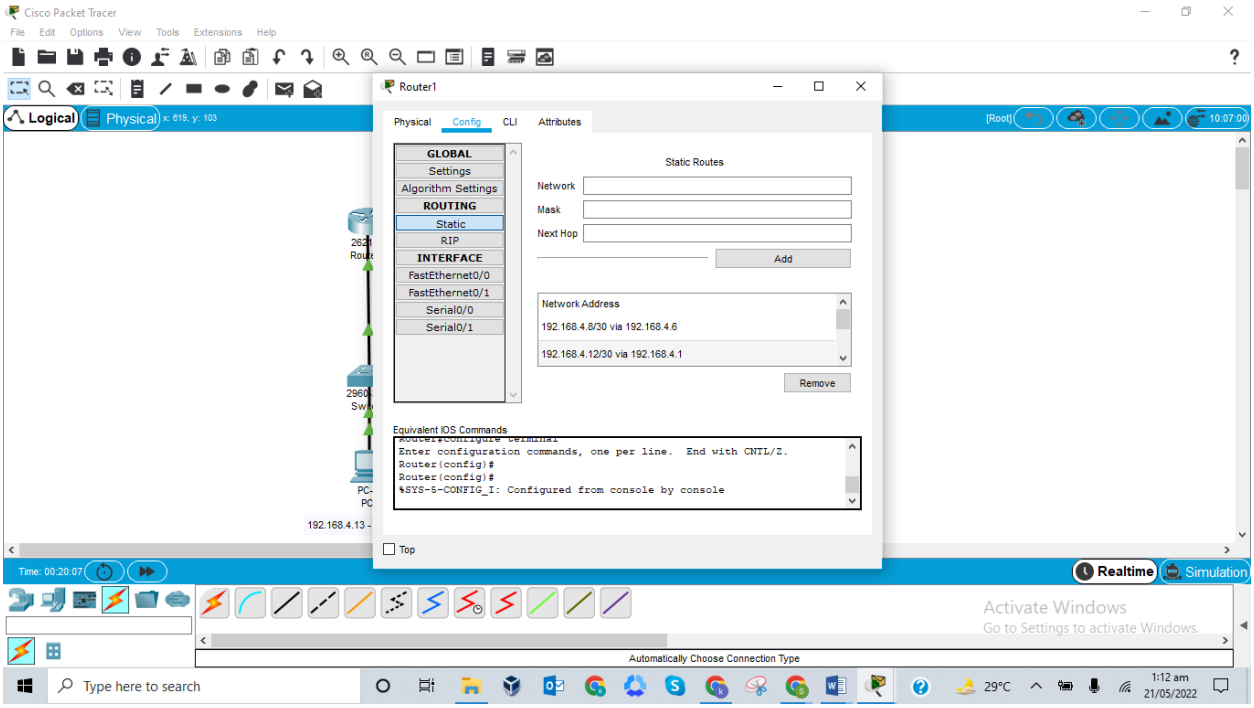


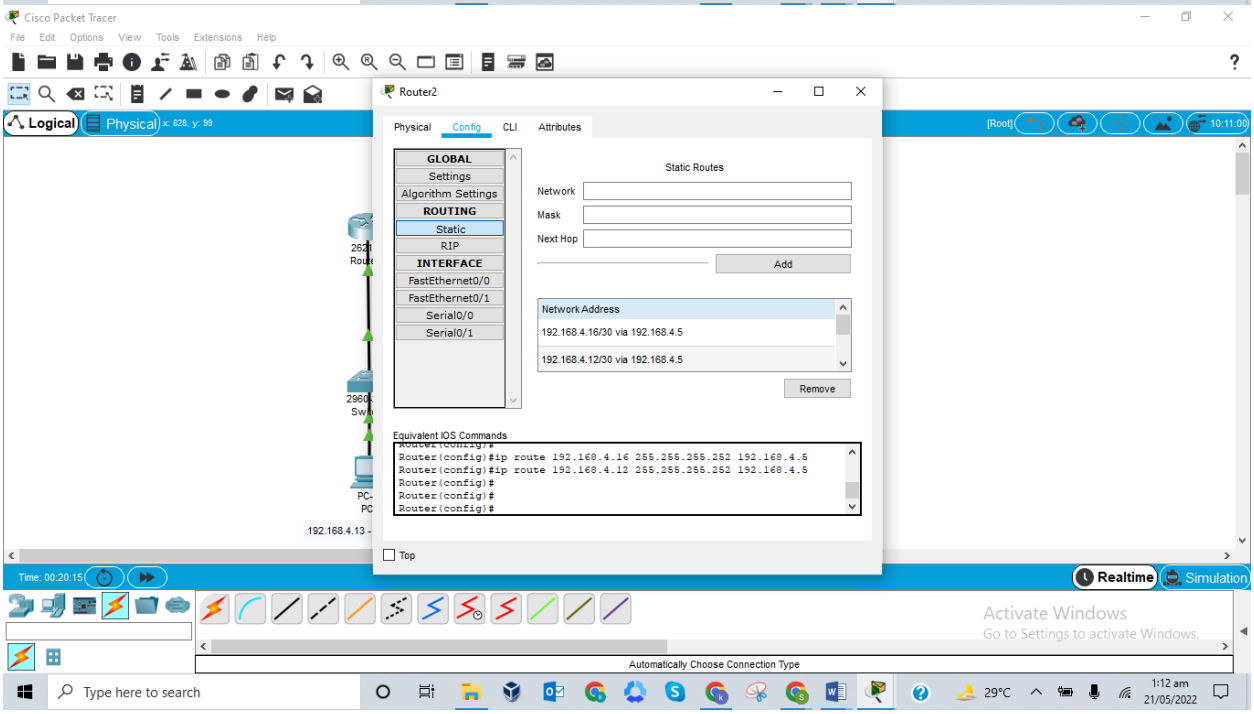

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
x: 406, y: 99
[Root]
09:56:00
192.168.4.1 - 192.168.4.2/30
192.168.4.5 - 192.168.4.6/30
Port Link IP Address IPv6 Address MAC Address
FastEthernet0/0 Up 192.168.4.13/30 <not set> 0004.9AA0.6401
FastEthernet0/1 Down <not set> <not set> 0004.9AA0.6402
Serial0/0 Up 192.168.4.1/30 <not set> <not set>
Serial0/1 Down <not set> <not set> <not set>
Hostname: Router
Physical Location: Intercity, Home City, Corporate Office, Main Wiring Closet
2960-24TT
Switch0
2960-24TT
Switch1
2960-24TT
Switch2
PC-PT
PC0
PC-PT
PC1
PC-PT
PC2
192.168.4.13 - 192.168.4.14/30
192.168.4.17 - 192.168.4.18/30
192.168.4.9 - 192.168.4.10/30
Time: 00:19:45
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Automatically Choose Connection Type
Type here to search
29°C
1:11 am
21/05/2022

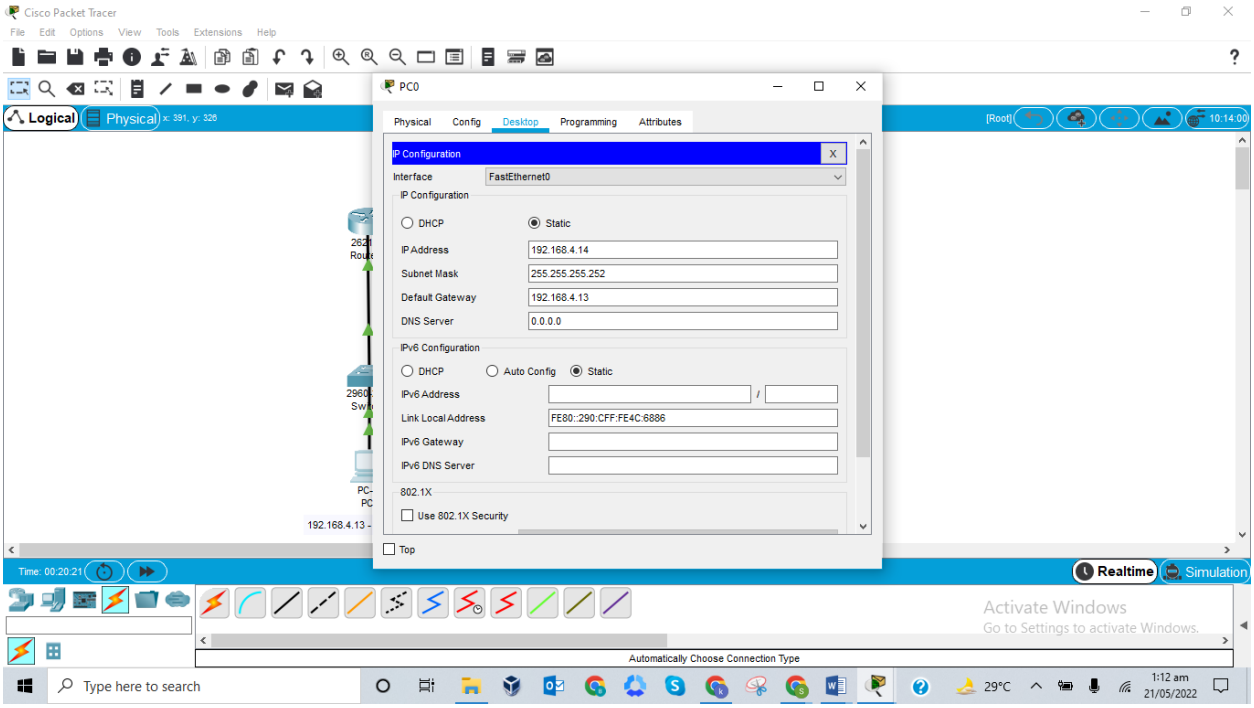

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
x: 634, y: 85
[Root]
09:57:30
192.168.4.1 - 192.168.4.2/30
192.168.4.5 - 192.168.4.6/30
2621XM
Router0
Port Link IP Address IPv6 Address MAC Address
FastEthernet0/0 Up 192.168.4.17/30 <not set> 0090.2B9A.5901
FastEthernet0/1 Down <not set> <not set> 0090.2B9A.5902
Serial0/0 Up 192.168.4.2/30 <not set> <not set>
Serial0/1 Up 192.168.4.5/30 <not set> <not set>
Hostname: Router
Physical Location: Intercity, Home City, Corporate Office, Main Wiring Closet
2960-24TT
Switch0
2960-24TT
Switch1
2960-24TT
Switch2
PC-PT
PC0
PC-PT
PC1
PC-PT
PC2
192.168.4.13 - 192.168.4.14/30
192.168.4.17 - 192.168.4.18/30
192.168.4.9 - 192.168.4.10/30
Time: 00:19:48
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Automatically Choose Connection Type
Type here to search
29°C
1:11 am
21/05/2022

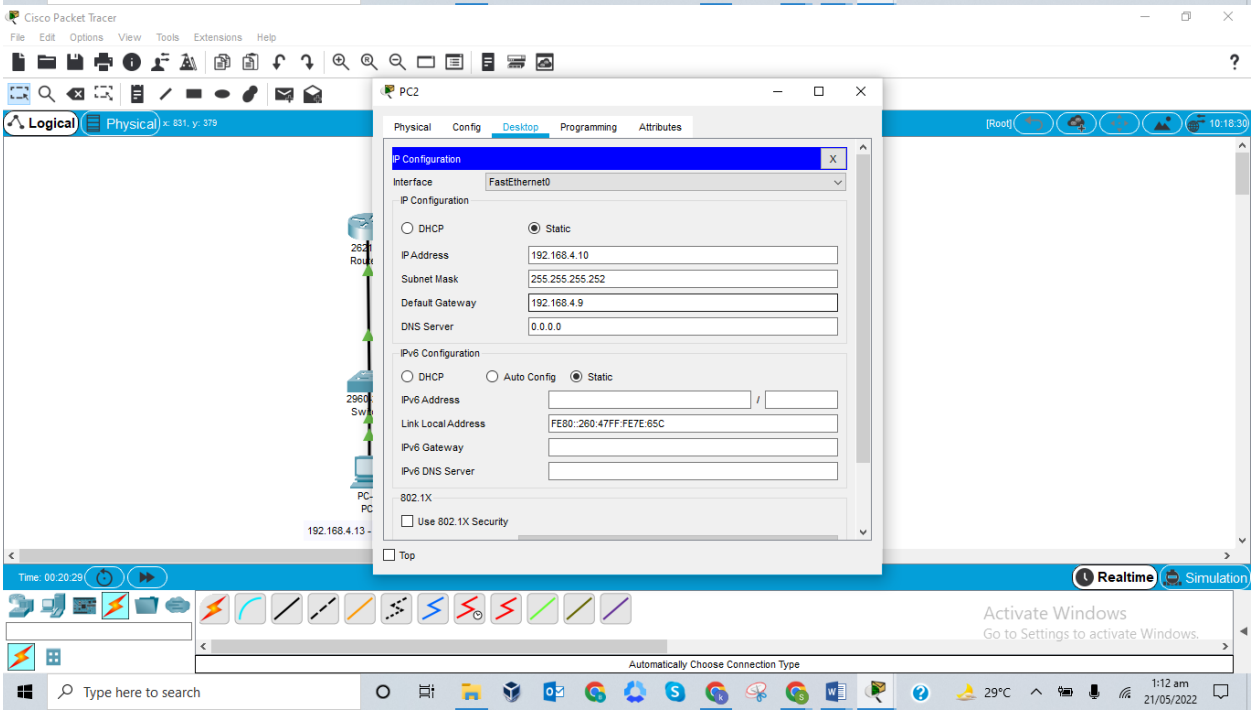

Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
192.168.4.1 - 192.168.4.2/30
192.168.4.5 - 192.168.4.6/30
Port Link IP Address IPv6 Address MAC Address
FastEthernet0/0 Up 192.168.4.9/30 <not set> 0001.6350.4D01
FastEthernet0/1 Down <not set> <not set> 0001.6350.4D02
Serial0/0 Up 192.168.4.6/30 <not set> <not set>
Serial0/1 Down <not set> <not set> <not set>
Hostname: Router
Physical Location: Intercity, Home City, Corporate Office, Main Wiring Closet
2960-24TT
Switch0
Switch1
Switch2
PC-PT
PC0
PC1
PC2
192.168.4.13 - 192.168.4.14/30
192.168.4.17 - 192.168.4.18/30
192.168.4.9 - 192.168.4.10/30
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Automatically Choose Connection Type
Type here to search
29°C
1:11 am
21/05/2022


Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
Router0
Physical
Config
CLI
Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet0/1
Serial0/0
Serial0/1
Static Routes
Network
Mask
Next Hop
Add
Network Address
192.168.4.16/30 via 192.168.4.2
192.168.4.8/30 via 192.168.4.2
Remove
Equivalent IOS Commands
Router(config)#ip route 192.168.4.16 255.255.255.252 192.168.4.2
Router(config)#ip route 192.168.4.8 255.255.255.252 192.168.4.2
Router(config)#
Router(config)#
Router(config)#
Top
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Automatically Choose Connection Type
Type here to search
29°C
1:11 am
21/05/2022


Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
Router1
Physical Config CLI Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet0/1
Serial0/0
Serial0/1
Static Routes
Network
Mask
Next Hop
Add
Network Address
192.168.4.8/30 via 192.168.4.6
192.168.4.12/30 via 192.168.4.1
Remove
Equivalent IOS Commands
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#
%SYS-5-CONFIG_I: Configured from console by console
Top
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Automatically Choose Connection Type
Type here to search
29°C
1:12 am
21/05/2022


Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
Router2
Physical Config CLI Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet0/1
Serial0/0
Serial0/1
Static Routes
Network
Mask
Next Hop
Add
Network Address
192.168.4.16/30 via 192.168.4.5
192.168.4.12/30 via 192.168.4.5
Remove
Equivalent IOS Commands
Router(config)#ip route 192.168.4.16 255.255.255.252 192.168.4.5
Router(config)#ip route 192.168.4.12 255.255.255.252 192.168.4.5
Router(config)#
Router(config)#
Router(config)#
Top
Realtime
Simulation
Activate Windows
Go to Settings to activate Windows.
Automatically Choose Connection Type
Type here to search
29°C
1:12 am
21/05/2022


Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
PC0
Physical Config Desktop Programming Attributes
IP Configuration
Interface FastEthernet0
IP Configuration
DHCP
Static
IP Address 192.168.4.14
Subnet Mask 255.255.255.252
Default Gateway 192.168.4.13
DNS Server 0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address FE80::290:CFF:FE4C:6886
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top
Realtime
Simulation
Automatically Choose Connection Type
Activate Windows
Go to Settings to activate Windows.
Type here to search
29°C
1:12 am
21/05/2022


Cisco Packet Tracer
File Edit Options View Tools Extensions Help
Logical
Physical
PC2
Physical Config Desktop Programming Attributes
IP Configuration
Interface FastEthernet0
IP Configuration
DHCP
Static
IP Address 192.168.4.10
Subnet Mask 255.255.255.252
Default Gateway 192.168.4.9
DNS Server 0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address FE80::260:47FF:FE7E:65C
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Top
Realtime
Simulation
Automatically Choose Connection Type
Activate Windows
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29°C
1:12 am
21/05/2022

PC1

Physical | Config | Desktop | Programming | Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.4.14

Pinging 192.168.4.14 with 32 bytes of data:

Request timed out.
Reply from 192.168.4.14: bytes=32 time=1ms TTL=126
Reply from 192.168.4.14: bytes=32 time=4ms TTL=126
Reply from 192.168.4.14: bytes=32 time=3ms TTL=126

Ping statistics for 192.168.4.14:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 4ms, Average = 2ms

C:\>ping 192.168.4.10

Pinging 192.168.4.10 with 32 bytes of data:

Request timed out.
Reply from 192.168.4.10: bytes=32 time=1ms TTL=126
Reply from 192.168.4.10: bytes=32 time=1ms TTL=126
Reply from 192.168.4.10: bytes=32 time=1ms TTL=126

Ping statistics for 192.168.4.10:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
    Minimum = 1ms, Maximum = 1ms, Average = 1ms

C:\>
```

Activate Windows
Go to Settings to activate Windows.

Top

Type here to search
29°C
1:12 am
21/05/2022