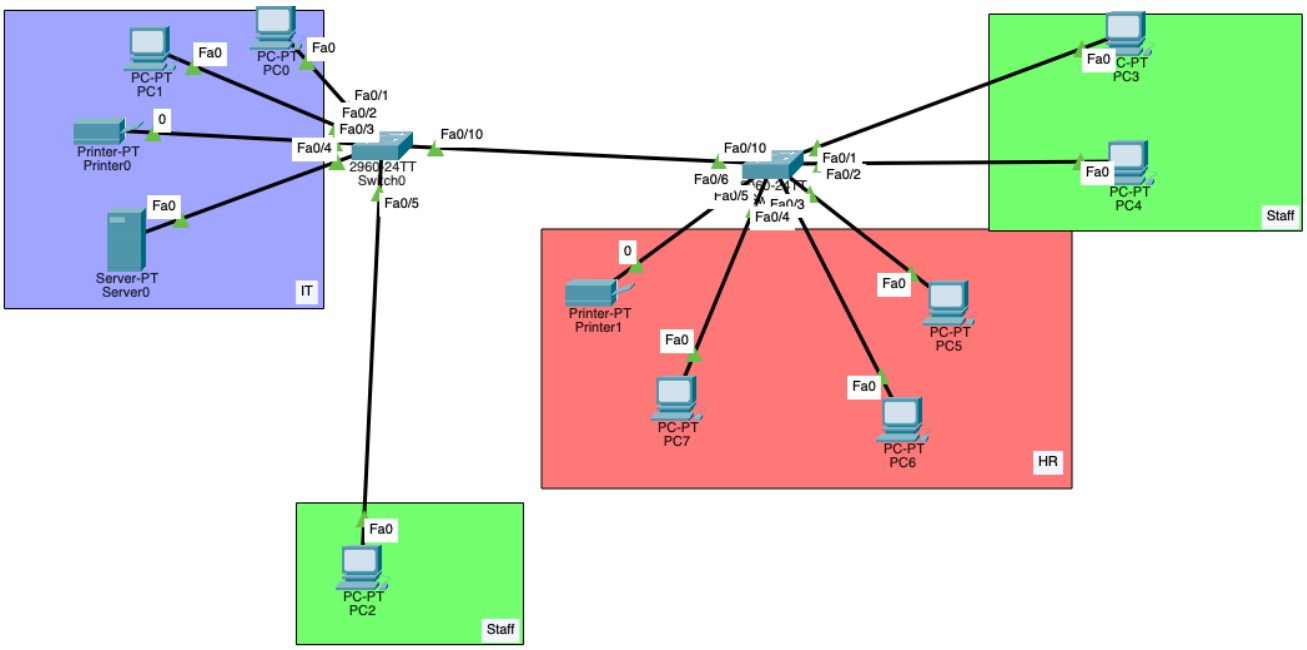
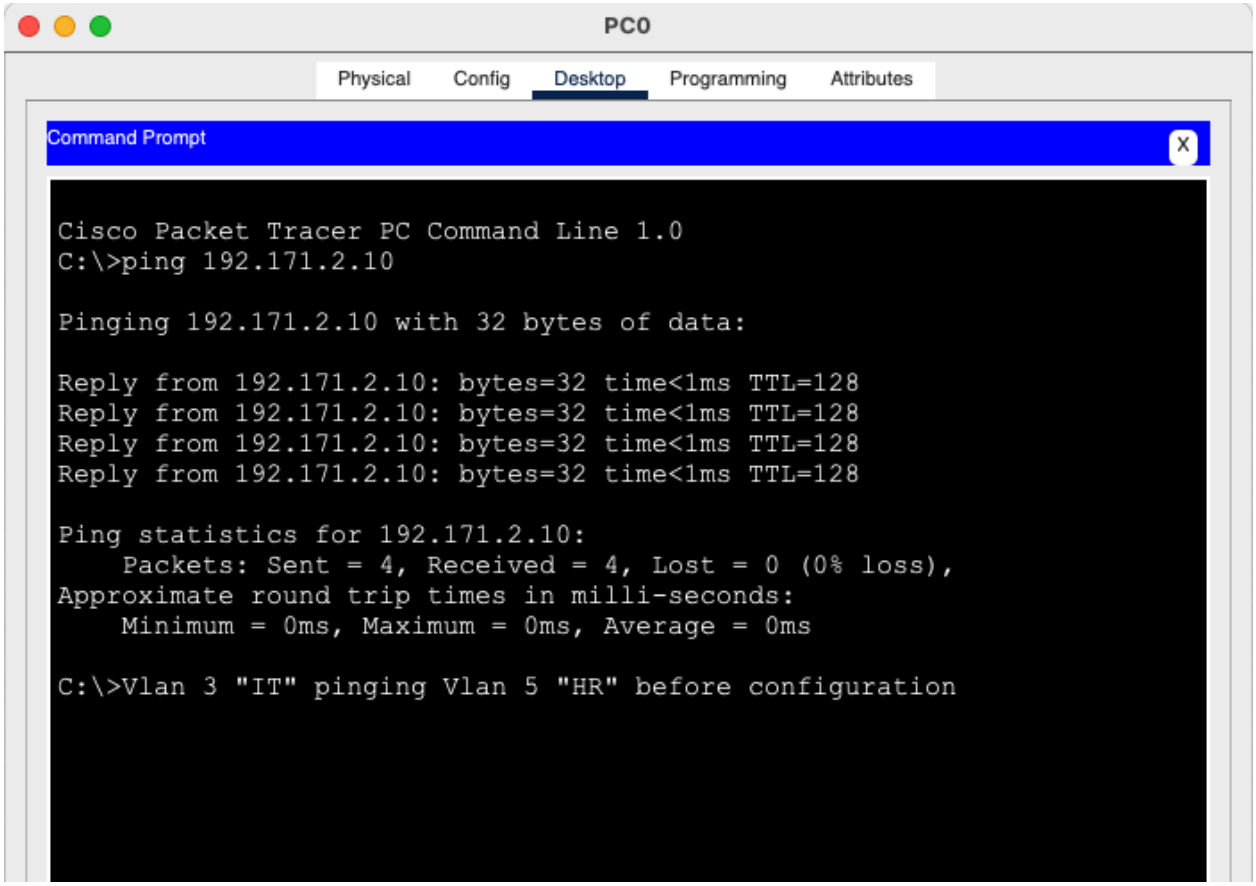
1)



PC-PT
PC1
Fa0
PC-PT
PC0
Fa0
Fa0/1
Fa0/2
Fa0/3
Fa0/4
Fa0/10
Printer-PT
Printer0
0
Fa0
Server-PT
Server0
IT
Fa0/5
Fa0/10
Fa0/6
Fa0/5
Fa0/1
Fa0/2
Fa0/3
Fa0/4
Fa0
C-PT
PC3
Fa0
PC-PT
PC4
Staff
0
Printer-PT
Printer1
Fa0
PC-PT
PC5
Fa0
PC-PT
PC7
Fa0
PC-PT
PC6
HR
Fa0
PC-PT
PC2
Staff

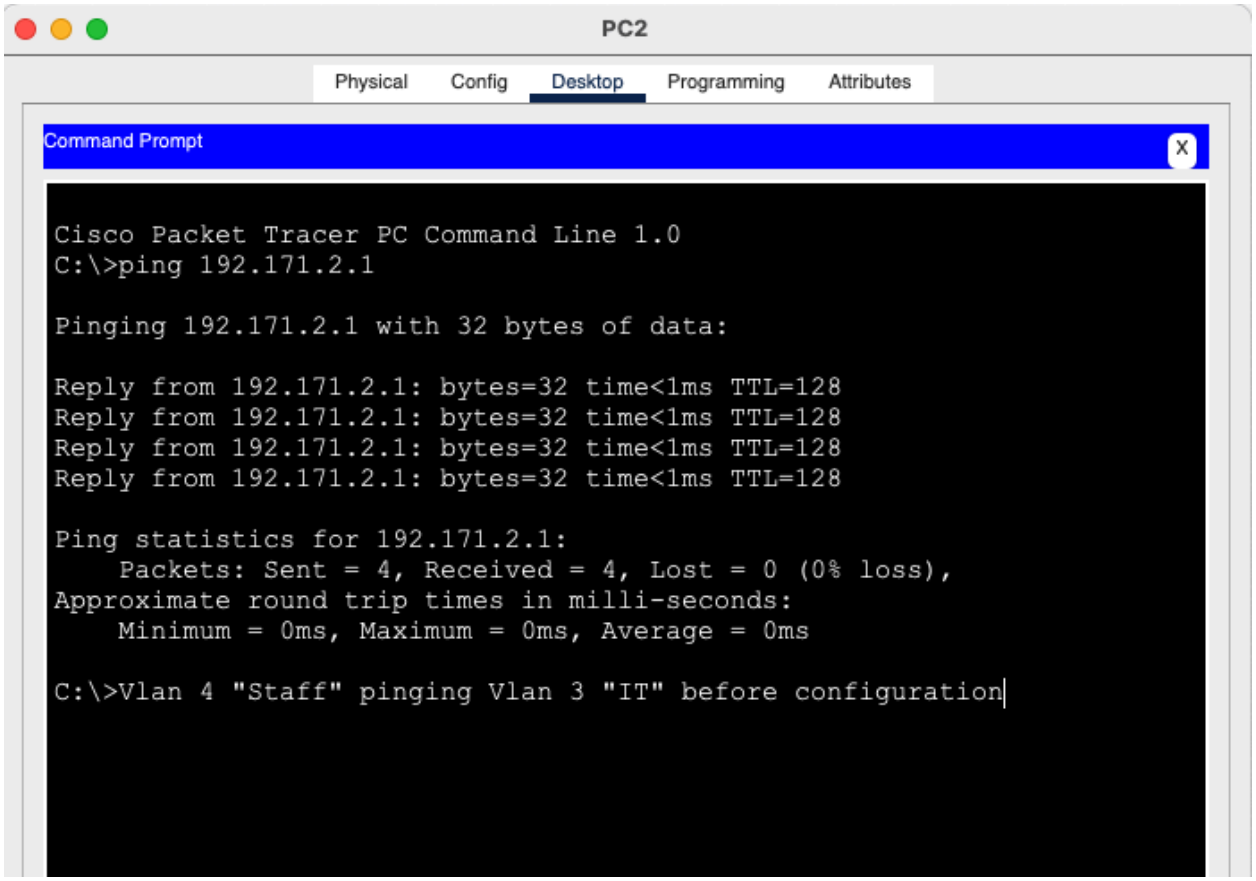
2)

a)

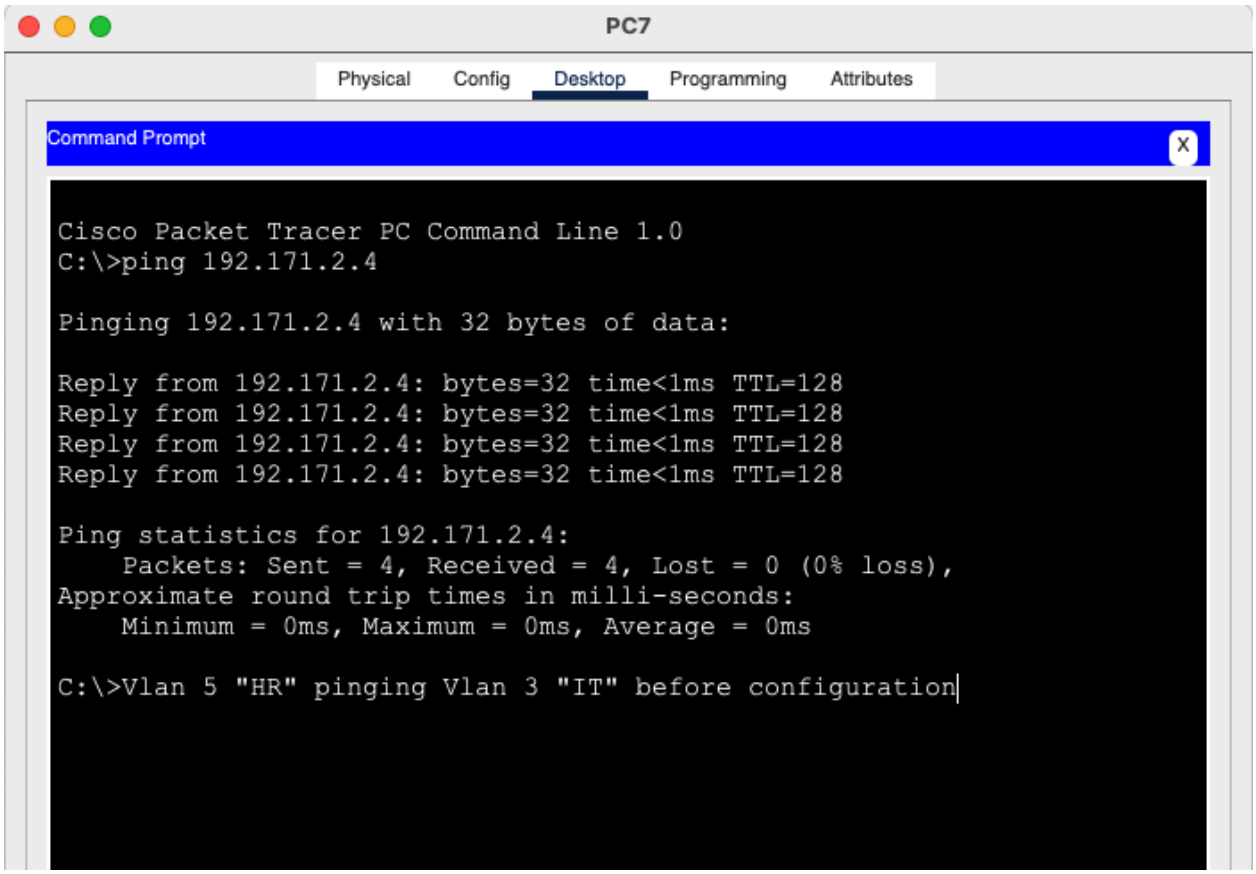


PC0
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.171.2.10
Pinging 192.171.2.10 with 32 bytes of data:
Reply from 192.171.2.10: bytes=32 time<1ms TTL=128
Reply from 192.171.2.10: bytes=32 time<1ms TTL=128
Reply from 192.171.2.10: bytes=32 time<1ms TTL=128
Reply from 192.171.2.10: bytes=32 time<1ms TTL=128
Ping statistics for 192.171.2.10:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>Vlan 3 "IT" pinging Vlan 5 "HR" before configuration

b)

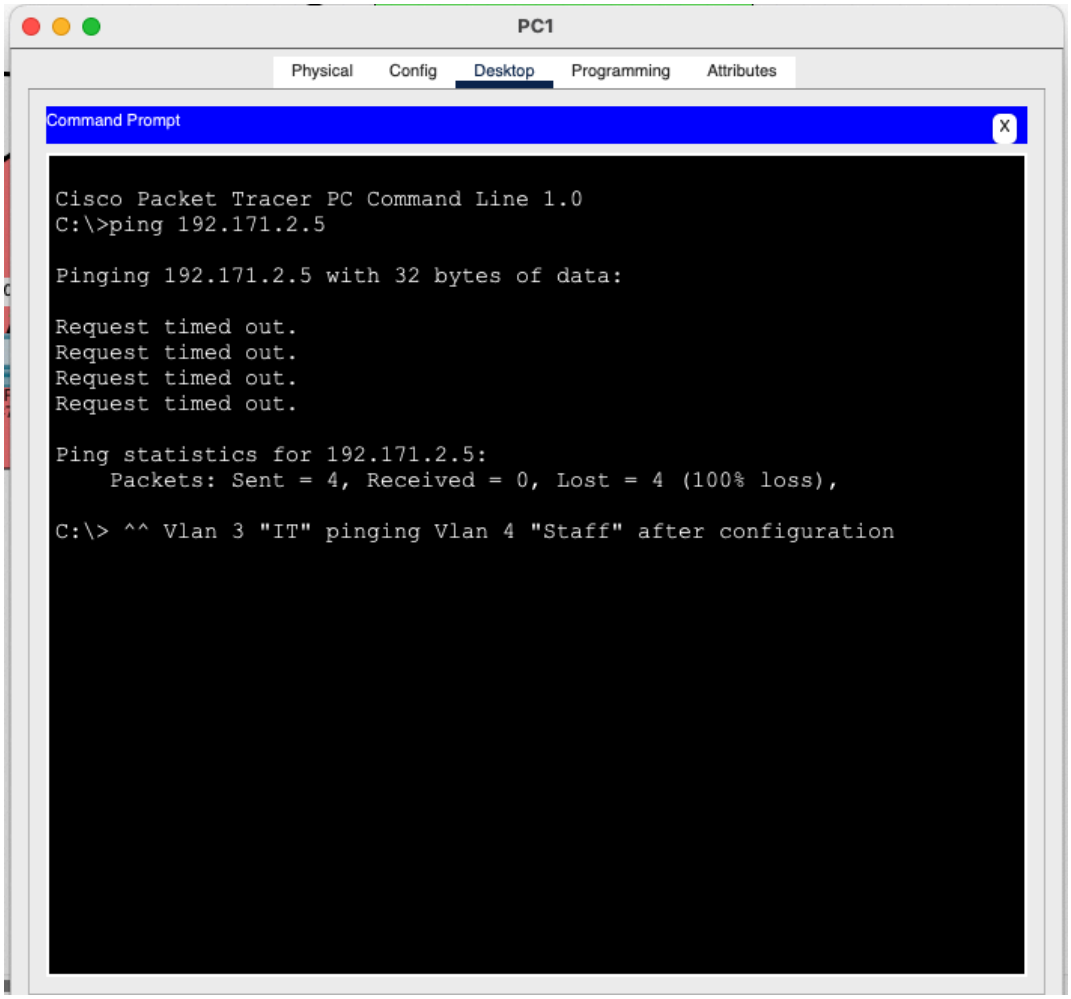

PC2
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.171.2.1
Pinging 192.171.2.1 with 32 bytes of data:
Reply from 192.171.2.1: bytes=32 time<1ms TTL=128
Reply from 192.171.2.1: bytes=32 time<1ms TTL=128
Reply from 192.171.2.1: bytes=32 time<1ms TTL=128
Reply from 192.171.2.1: bytes=32 time<1ms TTL=128
Ping statistics for 192.171.2.1:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>Vlan 4 "Staff" pinging Vlan 3 "IT" before configuration

c)


PC7
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.171.2.4
Pinging 192.171.2.4 with 32 bytes of data:
Reply from 192.171.2.4: bytes=32 time<1ms TTL=128
Reply from 192.171.2.4: bytes=32 time<1ms TTL=128
Reply from 192.171.2.4: bytes=32 time<1ms TTL=128
Reply from 192.171.2.4: bytes=32 time<1ms TTL=128
Ping statistics for 192.171.2.4:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
C:\>Vlan 5 "HR" pinging Vlan 3 "IT" before configuration

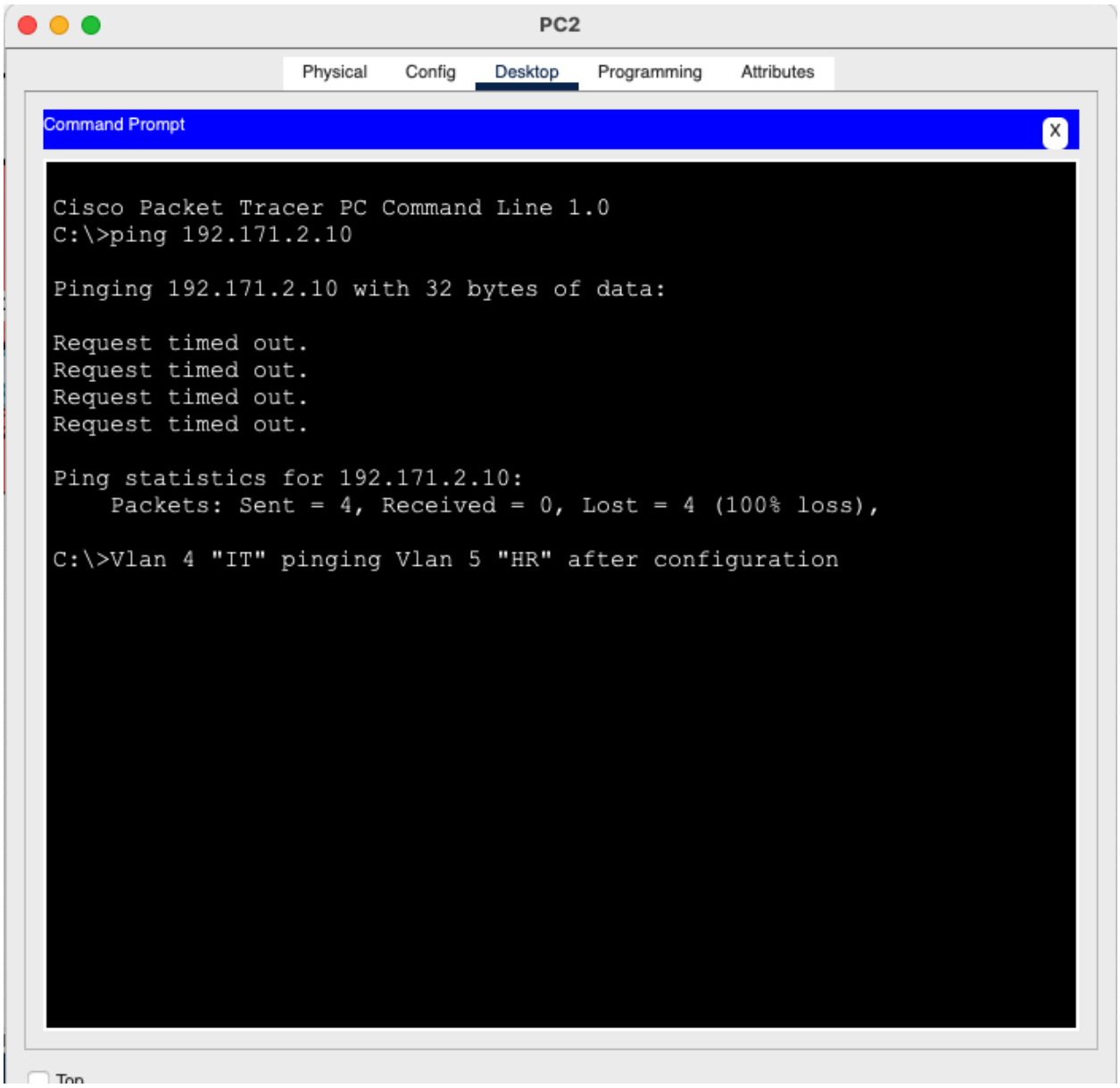
3)

a)

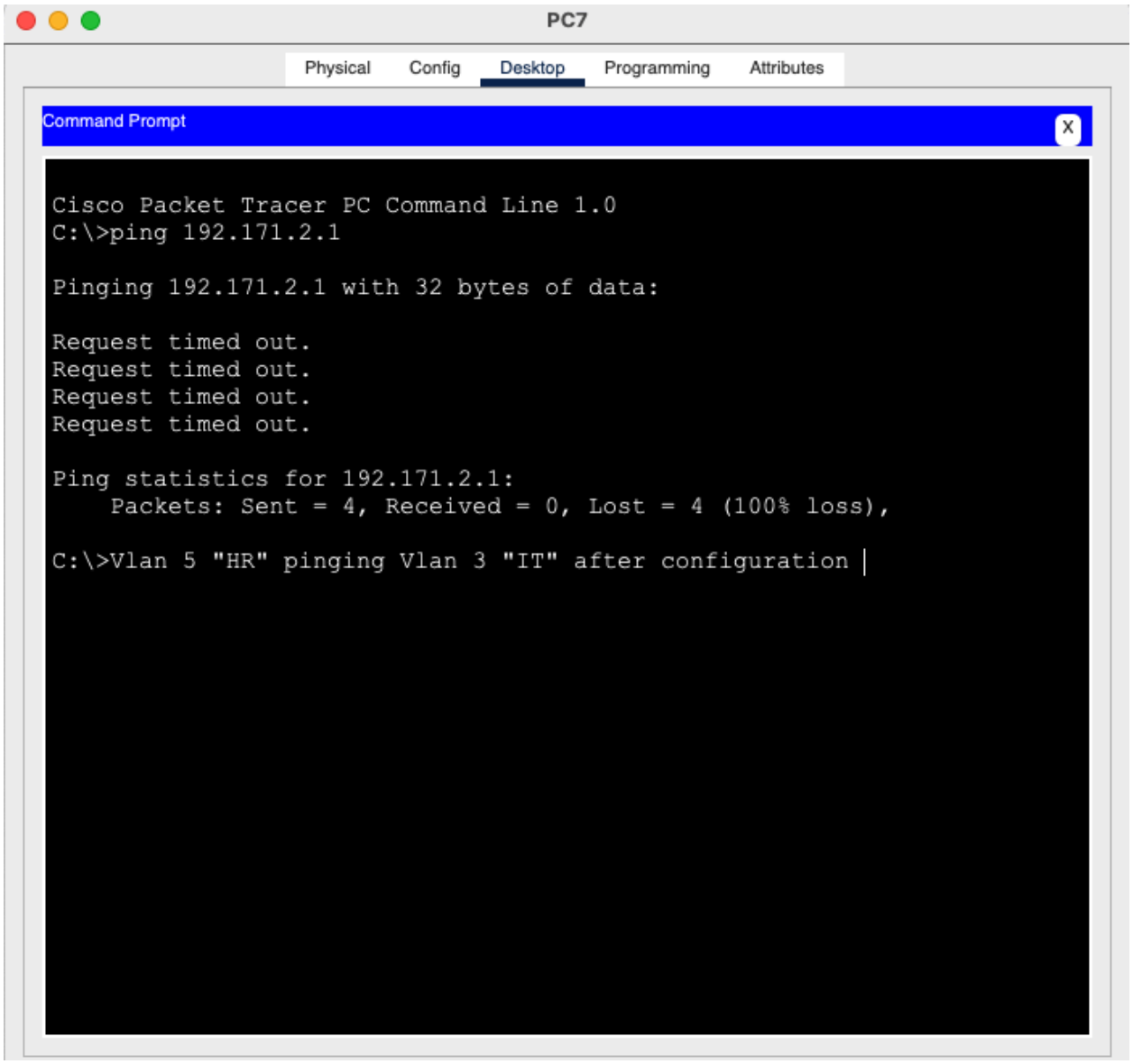

PC1
Physical
Config
Desktop
Programming
Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.171.2.5
Pinging 192.171.2.5 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 192.171.2.5:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\> ^^ Vlan 3 "IT" pinging Vlan 4 "Staff" after configuration

\

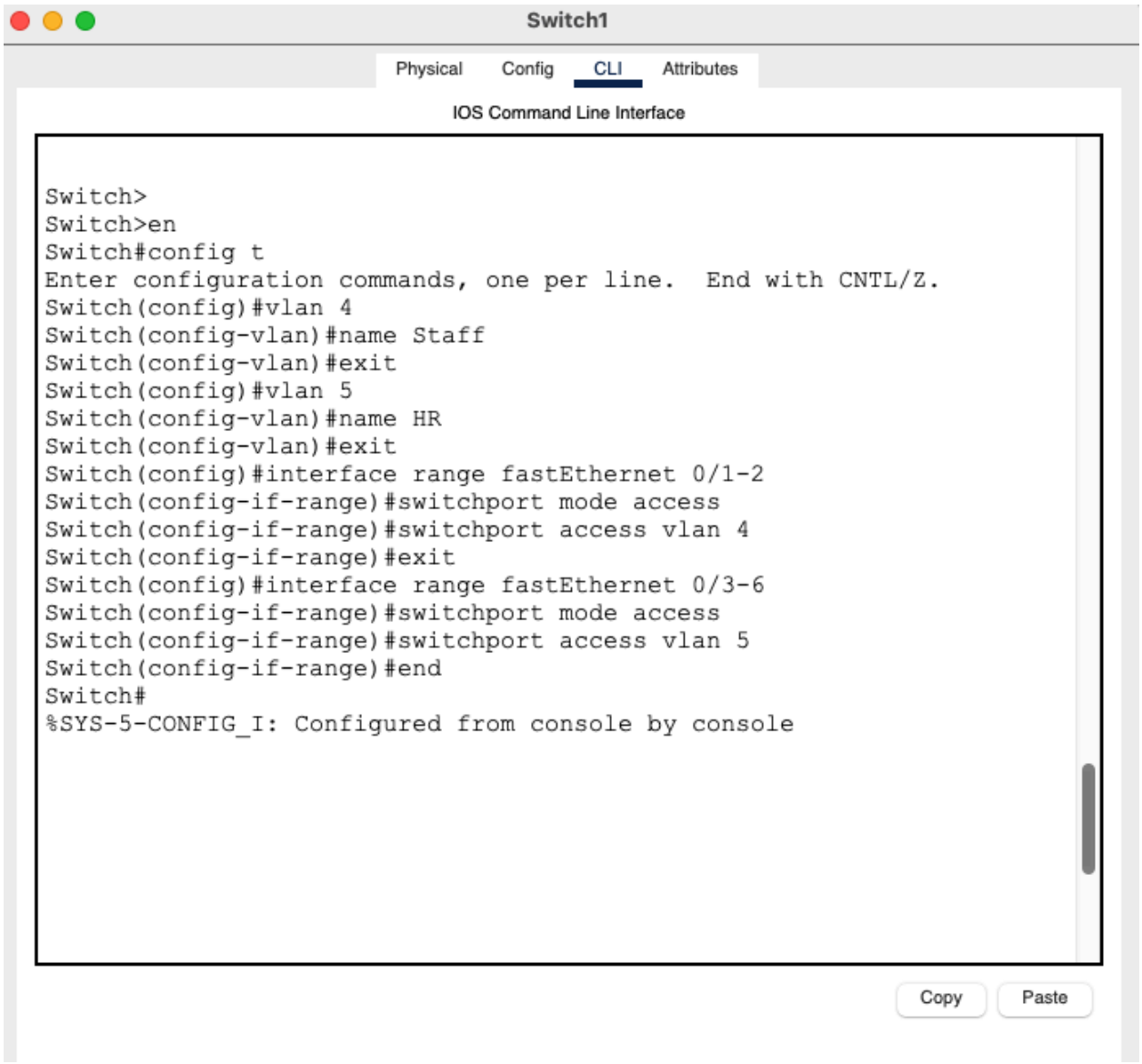
b)


PC2
Physical
Config
Desktop
Programming
Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.171.2.10
Pinging 192.171.2.10 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 192.171.2.10:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>Vlan 4 "IT" pinging Vlan 5 "HR" after configuration
Top

c)


PC7
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.171.2.1
Pinging 192.171.2.1 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Ping statistics for 192.171.2.1:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>Vlan 5 "HR" pinging Vlan 3 "IT" after configuration

4)


Switch1
Physical
Config
CLI
Attributes
IOS Command Line Interface
Switch>
Switch>en
Switch#config t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#vlan 4
Switch(config-vlan)#name Staff
Switch(config-vlan)#exit
Switch(config)#vlan 5
Switch(config-vlan)#name HR
Switch(config-vlan)#exit
Switch(config)#interface range fastEthernet 0/1-2
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 4
Switch(config-if-range)#exit
Switch(config)#interface range fastEthernet 0/3-6
Switch(config-if-range)#switchport mode access
Switch(config-if-range)#switchport access vlan 5
Switch(config-if-range)#end
Switch#
%SYS-5-CONFIG_I: Configured from console by console
Copy
Paste