

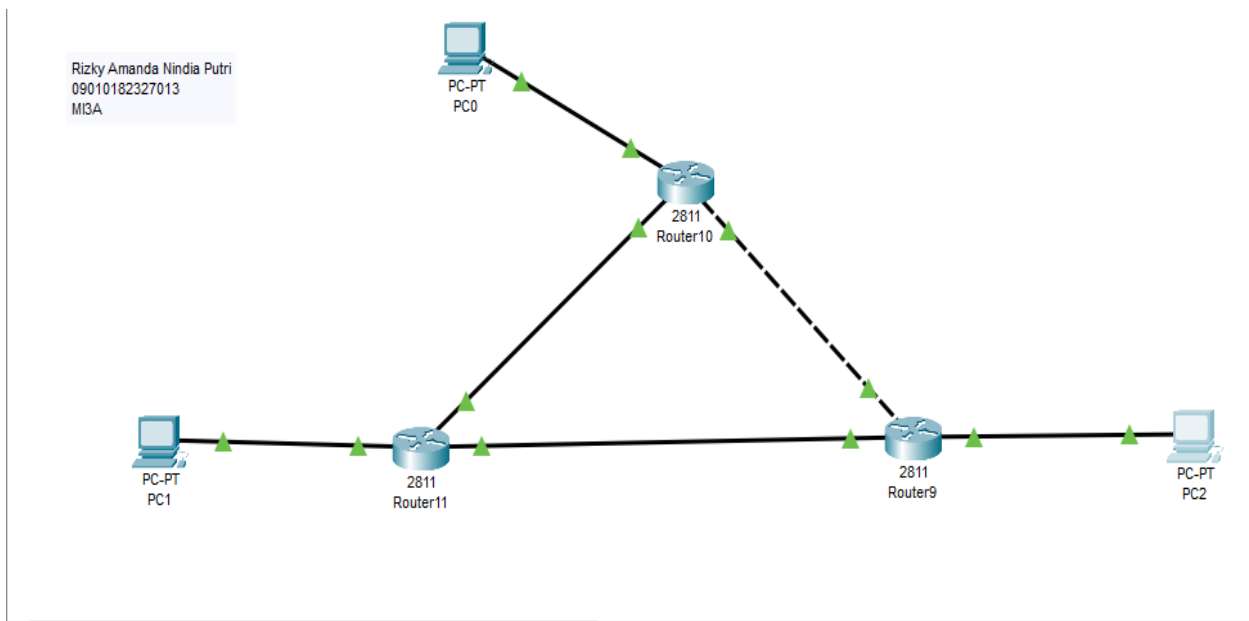
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TOPOLOGI ROUTING EIGRP



SCREENSHOOT #show ip route eigrp

ROUTER 1

```
Router>enable
Router#show ip route eigrp
 100.0.0.0/8 is variably subnetted, 5 subnets, 2 masks
D    100.100.100.8/30 [90/30720] via 100.100.100.6, 00:04:28, FastEthernet0/1
      [90/30720] via 100.100.100.2, 00:01:11, FastEthernet1/0
 192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks
D    192.168.2.0/24 [90/30720] via 100.100.100.6, 00:09:04, FastEthernet0/1
D    192.168.3.0/24 [90/30720] via 100.100.100.2, 00:01:11, FastEthernet1/0
Router#
```

ROUTER 2

```
RouterB_09010182327013#show ip route eigrp
 100.0.0.0/8 is variably subnetted, 5 subnets, 2 masks
D    100.100.100.0/30 [90/30720] via 100.100.100.5, 00:04:31, FastEthernet1/0
      [90/30720] via 100.100.100.10, 00:01:48, FastEthernet0/1
D    192.168.1.0/24 [90/30720] via 100.100.100.5, 00:09:40, FastEthernet1/0
      192.168.2.0/24 is variably subnetted, 2 subnets, 2 masks
D    192.168.3.0/24 [90/30720] via 100.100.100.10, 00:02:39, FastEthernet0/1

RouterB_09010182327013#
```

ROUTER 3

```
RouterC_09010182327013#show ip route eigrp
 100.0.0.0/8 is variably subnetted, 5 subnets, 2 masks
D    100.100.100.4/30 [90/30720] via 100.100.100.9, 00:02:57, FastEthernet1/0
      [90/30720] via 100.100.100.1, 00:02:04, FastEthernet0/1
D    192.168.1.0/24 [90/30720] via 100.100.100.1, 00:02:04, FastEthernet0/1
D    192.168.2.0/24 [90/30720] via 100.100.100.9, 00:02:57, FastEthernet1/0

RouterC_09010182327013#
```

TES PING

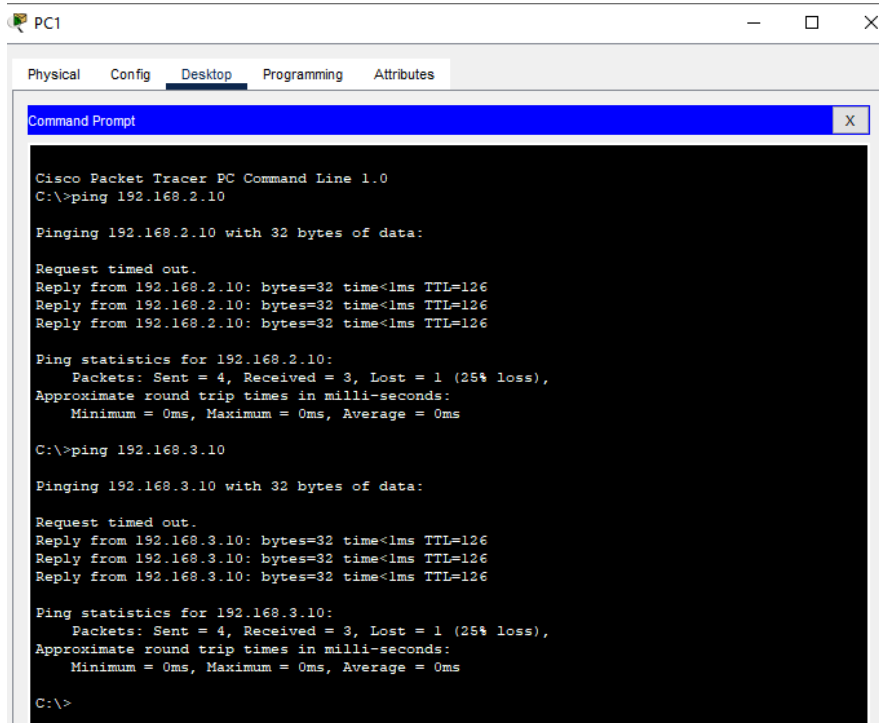
NO	SUMBER	TUJUAN	HASIL	
			YA	TIDAK
1	PCA	PCB	YA	
		PCC	YA	

2	PCB	PCA	YA	
		PCC	YA	

3	PCC	PCA	YA	
		PCB	YA	

SCREENSHOOT PING

PC A



The screenshot shows the Command Prompt window for PC1 in Cisco Packet Tracer. The window has tabs for Physical, Config, Desktop, Programming, and Attributes, with Desktop selected. The Command Prompt title bar is blue with a close button. The text inside the Command Prompt is as follows:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.2.10

Pinging 192.168.2.10 with 32 bytes of data:

Request timed out.
Reply from 192.168.2.10: bytes=32 time<lms TTL=126
Reply from 192.168.2.10: bytes=32 time<lms TTL=126
Reply from 192.168.2.10: bytes=32 time<lms TTL=126

Ping statistics for 192.168.2.10:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.3.10

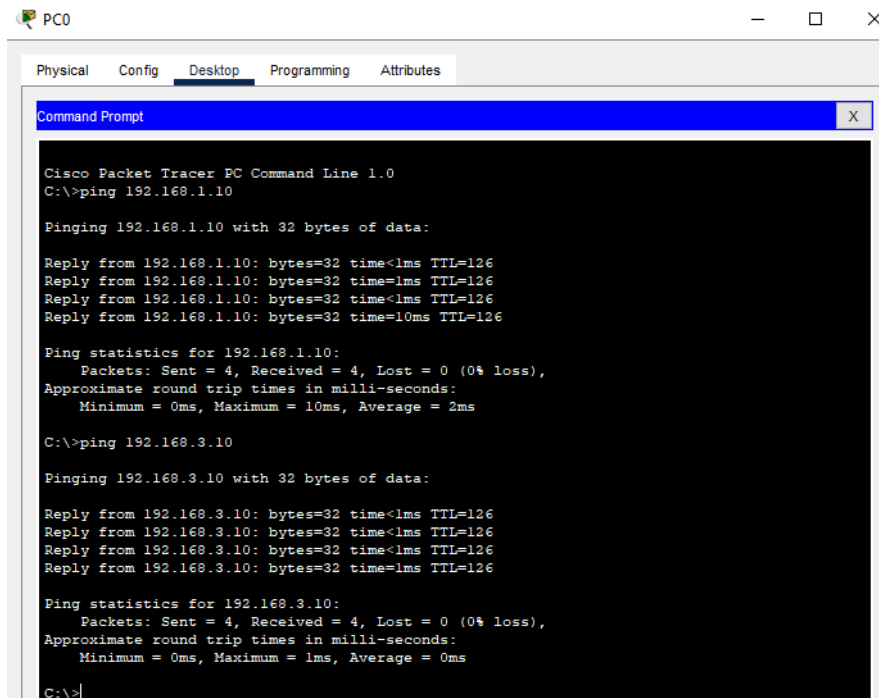
Pinging 192.168.3.10 with 32 bytes of data:

Request timed out.
Reply from 192.168.3.10: bytes=32 time<lms TTL=126
Reply from 192.168.3.10: bytes=32 time<lms TTL=126
Reply from 192.168.3.10: bytes=32 time<lms TTL=126

Ping statistics for 192.168.3.10:
    Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

PC B



The screenshot shows the Command Prompt window for PC0 in Cisco Packet Tracer. The window has tabs for Physical, Config, Desktop, Programming, and Attributes, with Desktop selected. The Command Prompt title bar is blue with a close button. The text inside the Command Prompt is as follows:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.10

Pinging 192.168.1.10 with 32 bytes of data:

Reply from 192.168.1.10: bytes=32 time<lms TTL=126
Reply from 192.168.1.10: bytes=32 time<lms TTL=126
Reply from 192.168.1.10: bytes=32 time<lms TTL=126
Reply from 192.168.1.10: bytes=32 time=10ms TTL=126

Ping statistics for 192.168.1.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 10ms, Average = 2ms

C:\>ping 192.168.3.10

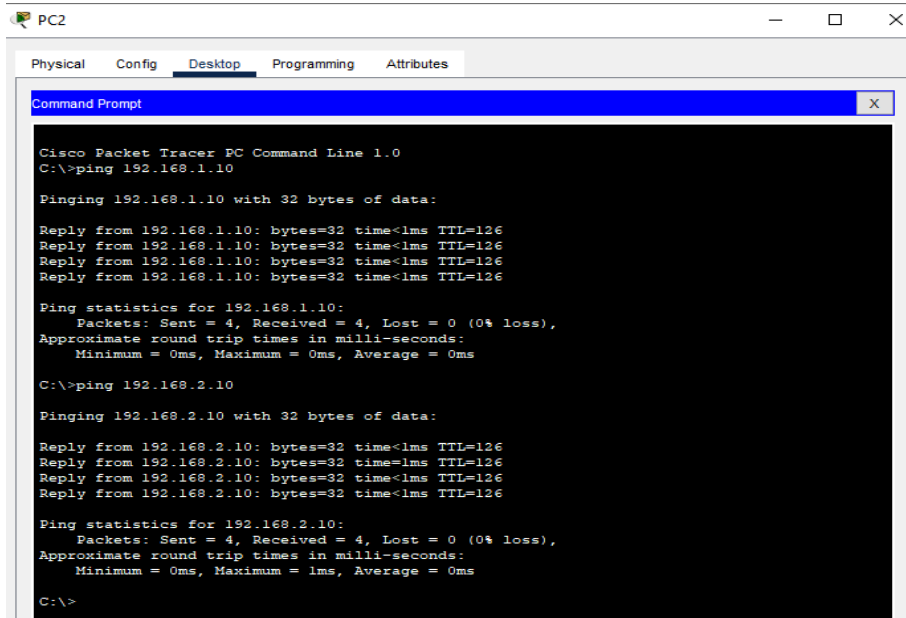
Pinging 192.168.3.10 with 32 bytes of data:

Reply from 192.168.3.10: bytes=32 time<lms TTL=126
Reply from 192.168.3.10: bytes=32 time<lms TTL=126
Reply from 192.168.3.10: bytes=32 time<lms TTL=126
Reply from 192.168.3.10: bytes=32 time<lms TTL=126

Ping statistics for 192.168.3.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = lms, Average = 0ms

C:\>
```

PC C



```
PC2
Physical Config Desktop Programming Attributes
Command Prompt
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.10

Pinging 192.168.1.10 with 32 bytes of data:

Reply from 192.168.1.10: bytes=32 time<1ms TTL=126
Reply from 192.168.1.10: bytes=32 time<1ms TTL=126
Reply from 192.168.1.10: bytes=32 time<1ms TTL=126
Reply from 192.168.1.10: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.1.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.2.10

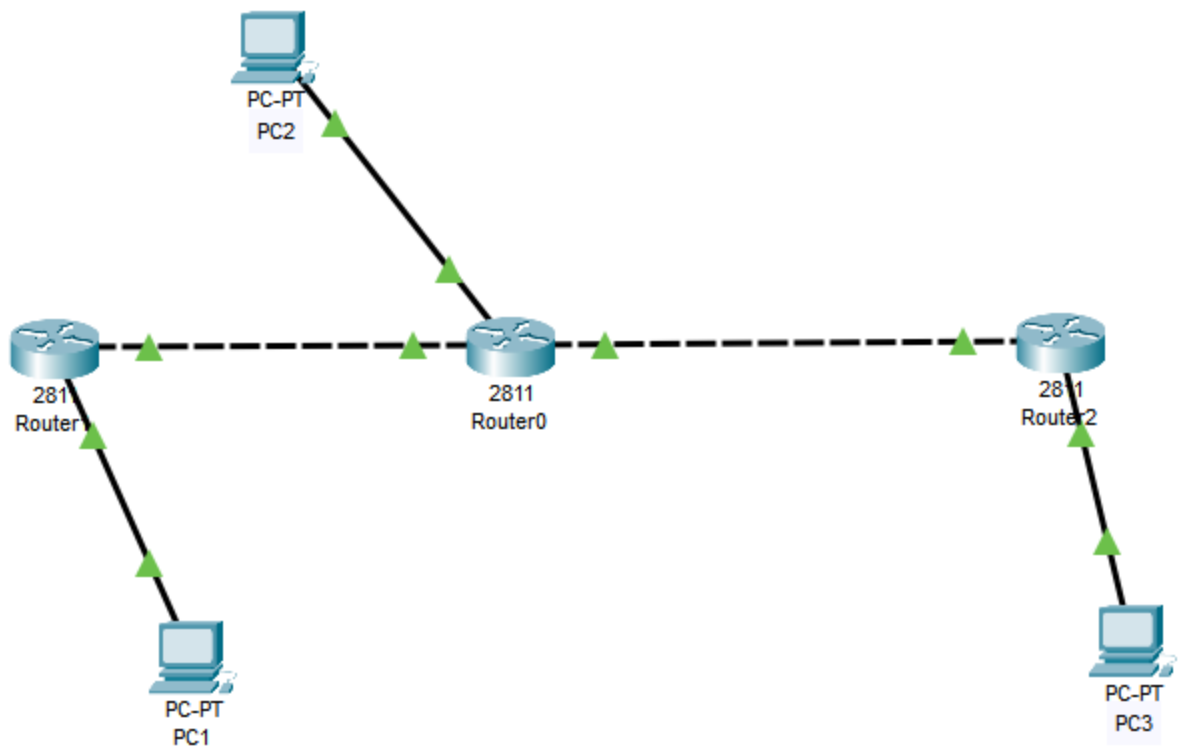
Pinging 192.168.2.10 with 32 bytes of data:

Reply from 192.168.2.10: bytes=32 time<1ms TTL=126
Reply from 192.168.2.10: bytes=32 time<1ms TTL=126
Reply from 192.168.2.10: bytes=32 time<1ms TTL=126
Reply from 192.168.2.10: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.2.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

TOPOLOGI ROUTING RIP



CREENSHOOT #show ip route rip

R1

```
R1_09010182327013#show ip route rip
      192.168.1.0/24 is variably subnetted, 2 subnets, 2 masks
R      192.168.2.0/24 [120/1] via 192.168.100.2, 00:00:14, FastEthernet0/1
R      192.168.3.0/24 [120/2] via 192.168.100.2, 00:00:14, FastEthernet0/1
      192.168.200.0/30 is subnetted, 1 subnets
R          192.168.200.0 [120/1] via 192.168.100.2, 00:00:14, FastEthernet0/1
R1_09010182327013#
```

R2

```
Router#show ip route rip
R      192.168.1.0/24 [120/1] via 192.168.100.1, 00:00:06, FastEthernet0/1
      192.168.2.0/24 is variably subnetted, 2 subnets, 2 masks
R      192.168.3.0/24 [120/1] via 192.168.200.2, 00:00:16, FastEthernet1/0
Router#
```

R3

```
R3_09010182327013#show ip route rip
R      192.168.1.0/24 [120/2] via 192.168.200.1, 00:00:24, FastEthernet0/1
R      192.168.2.0/24 [120/1] via 192.168.200.1, 00:00:24, FastEthernet0/1
      192.168.100.0/30 is subnetted, 1 subnets
R          192.168.100.0 [120/1] via 192.168.200.1, 00:00:24, FastEthernet0/1
R3_09010182327013#
```

TES PING

NO	SUMBER	TUJUAN	HASIL	
			YA	TIDAK
1	PC1	PC2	YA	
		PC3	YA	

2	PC2	PC1	YA	
		PC3	YA	

3	PC3	PC1	YA	
		PC2	YA	

SCREENSHOOT PING

PC1

```

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.2.10

Pinging 192.168.2.10 with 32 bytes of data:
Reply from 192.168.2.10: bytes=32 time<1ms TTL=126
Reply from 192.168.2.10: bytes=32 time<1ms TTL=126
Reply from 192.168.2.10: bytes=32 time<1ms TTL=126
Reply from 192.168.2.10: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.2.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

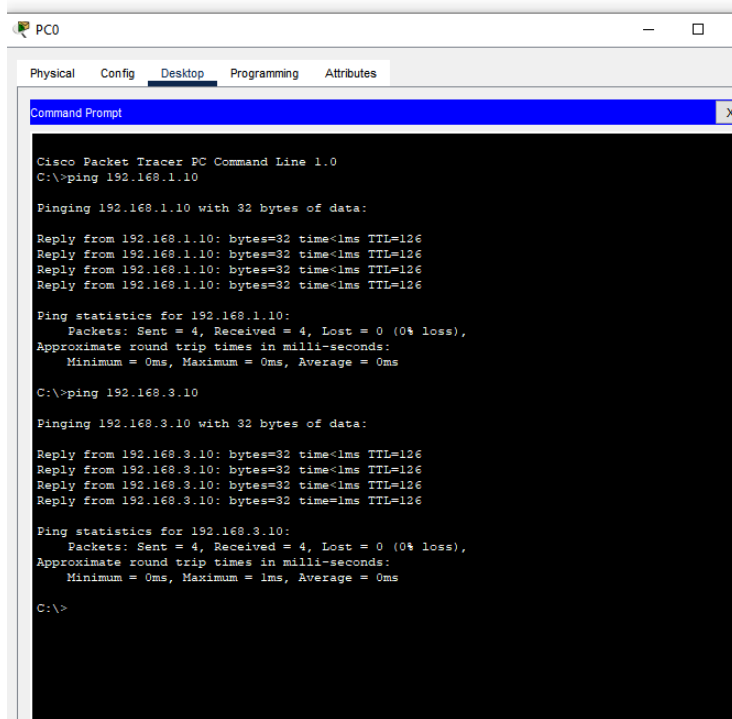
C:\>ping 192.168.3.10

Pinging 192.168.3.10 with 32 bytes of data:
Reply from 192.168.3.10: bytes=32 time<1ms TTL=125
Reply from 192.168.3.10: bytes=32 time<1ms TTL=125
Reply from 192.168.3.10: bytes=32 time<1ms TTL=125
Reply from 192.168.3.10: bytes=32 time<1ms TTL=125

Ping statistics for 192.168.3.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
  
```

PC2



The screenshot shows a Cisco Packet Tracer PC Command Line window for PC2. The window has tabs for Physical, Config, Desktop, Programming, and Attributes, with 'Desktop' selected. The Command Prompt displays the output of two ping commands. The first command is 'C:\>ping 192.168.1.10', which shows four successful replies with 32 bytes of data, a time of <1ms, and a TTL of 126. The statistics for 192.168.1.10 show 4 packets sent, 4 received, 0% loss, and 0ms round trip times. The second command is 'C:\>ping 192.168.3.10', which also shows four successful replies with 32 bytes of data, a time of <1ms, and a TTL of 126. The statistics for 192.168.3.10 show 4 packets sent, 4 received, 0% loss, and 0ms round trip times.

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.10

Pinging 192.168.1.10 with 32 bytes of data:

Reply from 192.168.1.10: bytes=32 time<1ms TTL=126
Reply from 192.168.1.10: bytes=32 time<1ms TTL=126
Reply from 192.168.1.10: bytes=32 time<1ms TTL=126
Reply from 192.168.1.10: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.1.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.3.10

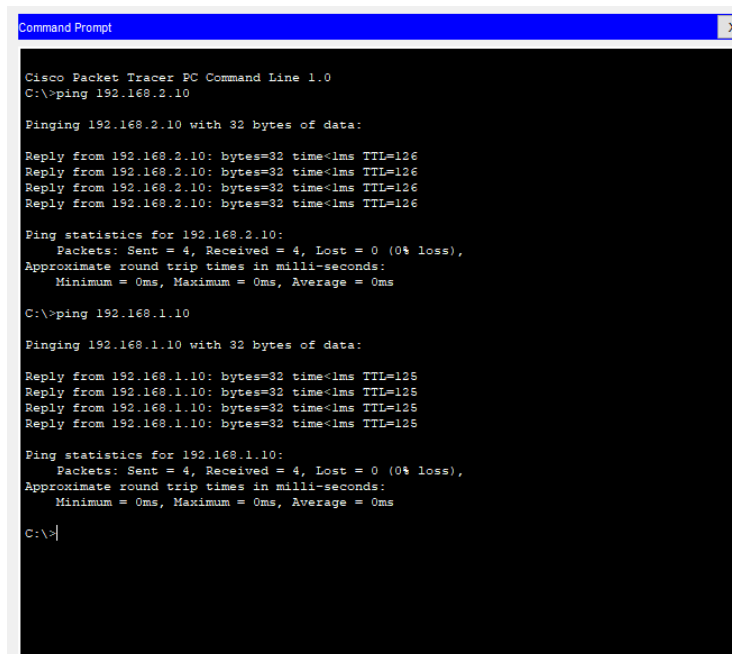
Pinging 192.168.3.10 with 32 bytes of data:

Reply from 192.168.3.10: bytes=32 time<1ms TTL=126
Reply from 192.168.3.10: bytes=32 time<1ms TTL=126
Reply from 192.168.3.10: bytes=32 time<1ms TTL=126
Reply from 192.168.3.10: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.3.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
```

PC3



The screenshot shows a Cisco Packet Tracer PC Command Line window for PC3. The window has tabs for Physical, Config, Desktop, Programming, and Attributes, with 'Desktop' selected. The Command Prompt displays the output of two ping commands. The first command is 'C:\>ping 192.168.2.10', which shows four successful replies with 32 bytes of data, a time of <1ms, and a TTL of 126. The statistics for 192.168.2.10 show 4 packets sent, 4 received, 0% loss, and 0ms round trip times. The second command is 'C:\>ping 192.168.1.10', which shows four successful replies with 32 bytes of data, a time of <1ms, and a TTL of 125. The statistics for 192.168.1.10 show 4 packets sent, 4 received, 0% loss, and 0ms round trip times.

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.2.10

Pinging 192.168.2.10 with 32 bytes of data:

Reply from 192.168.2.10: bytes=32 time<1ms TTL=126
Reply from 192.168.2.10: bytes=32 time<1ms TTL=126
Reply from 192.168.2.10: bytes=32 time<1ms TTL=126
Reply from 192.168.2.10: bytes=32 time<1ms TTL=126

Ping statistics for 192.168.2.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 192.168.1.10

Pinging 192.168.1.10 with 32 bytes of data:

Reply from 192.168.1.10: bytes=32 time<1ms TTL=125
Reply from 192.168.1.10: bytes=32 time<1ms TTL=125
Reply from 192.168.1.10: bytes=32 time<1ms TTL=125
Reply from 192.168.1.10: bytes=32 time<1ms TTL=125

Ping statistics for 192.168.1.10:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```