

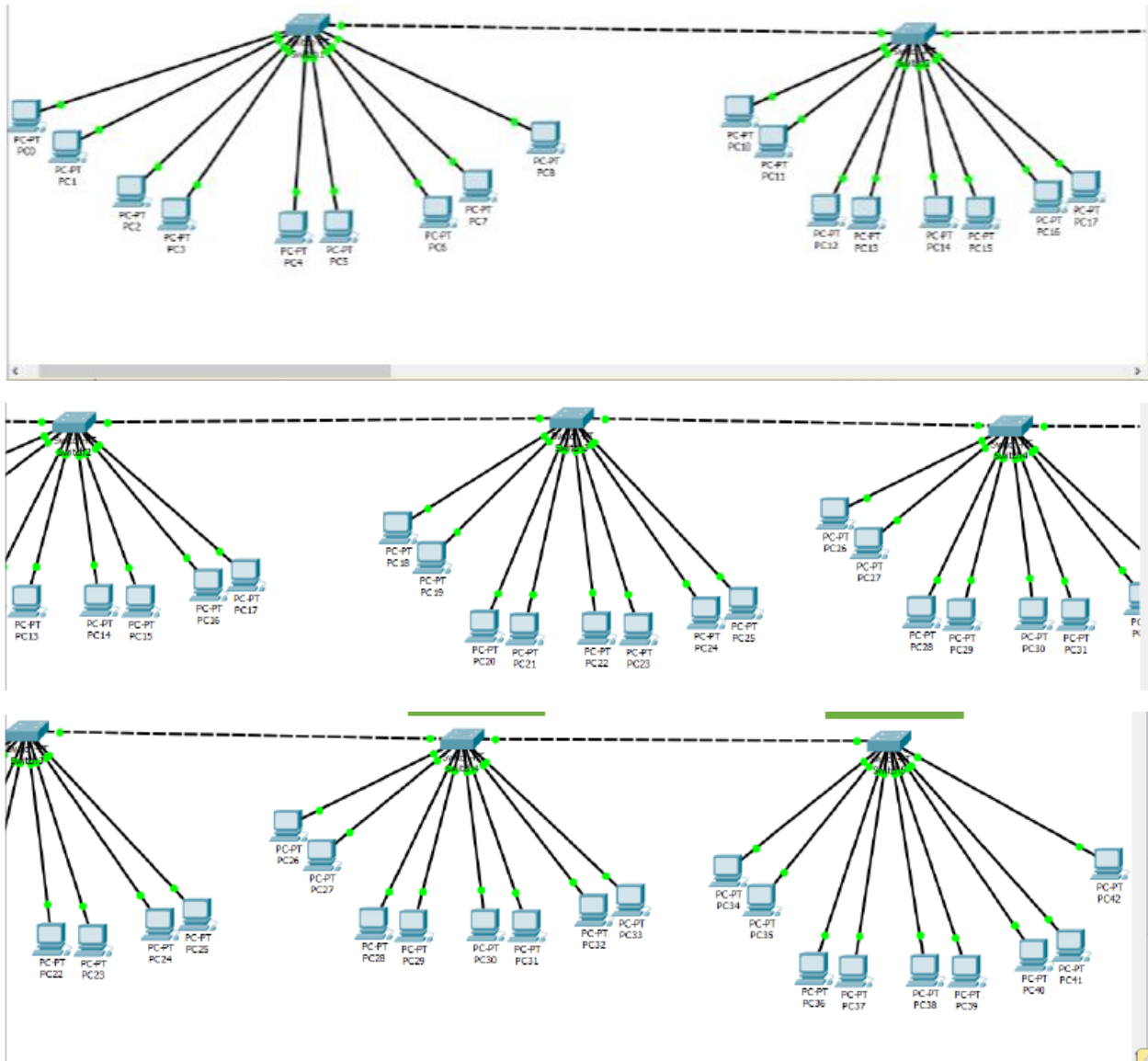
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Kelas D / informatika

MODUL 3

Desain jaringan dengan 5 divisi



Divisi 1 range IP Address = 202.155.19.11 – 202.155.19.19

The screenshot shows the 'IP Configuration' window for the 'FastEthernet0' interface. The 'Static' radio button is selected under 'IP Configuration'. The fields are filled with the following values:

Field	Value
IP Address	202.155.19.11
Subnet Mask	255.255.255.192
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

Under 'IPv6 Configuration', the 'Static' radio button is selected. The 'Link Local Address' field is filled with 'FE80::260:5CFF:FE3D:B76'. The 'IPv6 Address', 'IPv6 Gateway', and 'IPv6 DNS Server' fields are empty. The '802.1X' section has the 'Use 802.1X Security' checkbox unchecked. A 'Top' button is at the bottom left.

The screenshot shows the 'IP Configuration' window for the 'FastEthernet0' interface. The 'Static' radio button is selected under 'IP Configuration'. The fields are filled with the following values:

Field	Value
IP Address	202.155.19.19
Subnet Mask	255.255.255.192
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

Under 'IPv6 Configuration', the 'Static' radio button is selected. The 'Link Local Address' field is filled with 'FE80::290:2BFF:FE17:A3'. The 'IPv6 Address', 'IPv6 Gateway', and 'IPv6 DNS Server' fields are empty. The '802.1X' section has the 'Use 802.1X Security' checkbox unchecked. A 'Top' button is at the bottom left.

Divisi 2 range IP Address = 202.155.19.21 – 202.155.19.29

The screenshot shows the 'IP Configuration' window for the 'FastEthernet0' interface. The 'Static' radio button is selected under 'IP Configuration'. The 'IPv6 Configuration' section shows 'Static' is selected. The '802.1X' section has 'Use 802.1X Security' unchecked. A 'Top' button is at the bottom left.

Field	Value
Interface	FastEthernet0
IP Configuration	<input type="radio"/> DHCP <input checked="" type="radio"/> Static
IP Address	202.155.19.21
Subnet Mask	255.255.255.192
Default Gateway	0.0.0.0
DNS Server	0.0.0.0
IPv6 Configuration	<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static
IPv6 Address	
Link Local Address	FE80::210:11FF:FEB4:8A98
IPv6 Gateway	
IPv6 DNS Server	
802.1X	<input type="checkbox"/> Use 802.1X Security

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The screenshot shows the 'IP Configuration' window for the 'FastEthernet0' interface. The 'Static' radio button is selected under 'IP Configuration'. The 'IPv6 Configuration' section shows 'Static' is selected. The '802.1X' section has 'Use 802.1X Security' unchecked. A 'Top' button is at the bottom left.

Field	Value
Interface	FastEthernet0
IP Configuration	<input type="radio"/> DHCP <input checked="" type="radio"/> Static
IP Address	202.155.19.29
Subnet Mask	255.255.255.192
Default Gateway	0.0.0.0
DNS Server	0.0.0.0
IPv6 Configuration	<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static
IPv6 Address	
Link Local Address	FE80::2D0:FFFF:FE0C:E9C7
IPv6 Gateway	
IPv6 DNS Server	
802.1X	<input type="checkbox"/> Use 802.1X Security

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Divisi 3 range IP Address = 202.155.19.31 – 202.155.19.39

The screenshot shows the 'IP Configuration' window for the 'FastEthernet0' interface. The 'Static' radio button is selected under 'IP Configuration'. The fields are filled with the following values:

Field	Value
IP Address	202.155.19.31
Subnet Mask	255.255.255.192
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

Under 'IPv6 Configuration', the 'Static' radio button is also selected. The 'Link Local Address' field is filled with 'FE80::210:11FF:FE47:29A3'. The '802.1X' section has the 'Use 802.1X Security' checkbox unchecked. A 'Top' button is at the bottom left.

The screenshot shows the 'IP Configuration' window for the 'FastEthernet0' interface. The 'Static' radio button is selected under 'IP Configuration'. The fields are filled with the following values:

Field	Value
IP Address	202.155.19.39
Subnet Mask	255.255.255.192
Default Gateway	0.0.0.0
DNS Server	0.0.0.0

Under 'IPv6 Configuration', the 'Static' radio button is also selected. The 'Link Local Address' field is filled with 'FE80::2D0:BAFF:FE91:D6AC'. The '802.1X' section has the 'Use 802.1X Security' checkbox unchecked. A 'Top' button is at the bottom left.

Divisi 4 range IP Address = 202.155.19.41 – 202.155.19.49

The screenshot shows the 'IP Configuration' window for the 'FastEthernet0' interface. The 'Interface' dropdown is set to 'FastEthernet0'. Under 'IP Configuration', the 'Static' radio button is selected. The fields are filled with: IP Address: 202.155.19.41, Subnet Mask: 255.255.255.192, Default Gateway: 0.0.0.0, and DNS Server: 0.0.0.0. Under 'IPv6 Configuration', the 'Static' radio button is also selected, with empty fields for IPv6 Address, Link Local Address (FE80::2E0:F7FF:FEAD:9652), IPv6 Gateway, and IPv6 DNS Server. The '802.1X' section has 'Use 802.1X Security' unchecked. A 'Top' button is at the bottom left.

Field	Value
Interface	FastEthernet0
IP Configuration	
<input type="radio"/> DHCP	
<input checked="" type="radio"/> Static	
IP Address	202.155.19.41
Subnet Mask	255.255.255.192
Default Gateway	0.0.0.0
DNS Server	0.0.0.0
IPv6 Configuration	
<input type="radio"/> DHCP	
<input type="radio"/> Auto Config	
<input checked="" type="radio"/> Static	
IPv6 Address	
Link Local Address	FE80::2E0:F7FF:FEAD:9652
IPv6 Gateway	
IPv6 DNS Server	
802.1X	
<input type="checkbox"/> Use 802.1X Security	

The screenshot shows the 'IP Configuration' window for the 'FastEthernet0' interface. The 'Interface' dropdown is set to 'FastEthernet0'. Under 'IP Configuration', the 'Static' radio button is selected. The fields are filled with: IP Address: 202.155.19.49, Subnet Mask: 255.255.255.192, Default Gateway: 0.0.0.0, and DNS Server: 0.0.0.0. Under 'IPv6 Configuration', the 'Static' radio button is also selected, with empty fields for IPv6 Address, Link Local Address (FE80::2E0:F7FF:FECA:E6EE), IPv6 Gateway, and IPv6 DNS Server. The '802.1X' section has 'Use 802.1X Security' unchecked. A 'Top' button is at the bottom left.

Field	Value
Interface	FastEthernet0
IP Configuration	
<input type="radio"/> DHCP	
<input checked="" type="radio"/> Static	
IP Address	202.155.19.49
Subnet Mask	255.255.255.192
Default Gateway	0.0.0.0
DNS Server	0.0.0.0
IPv6 Configuration	
<input type="radio"/> DHCP	
<input type="radio"/> Auto Config	
<input checked="" type="radio"/> Static	
IPv6 Address	
Link Local Address	FE80::2E0:F7FF:FECA:E6EE
IPv6 Gateway	
IPv6 DNS Server	
802.1X	
<input type="checkbox"/> Use 802.1X Security	

Divisi 5 range IP Address = 202.155.19.51 – 202.155.19.59

The screenshot shows the 'IP Configuration' window for the 'FastEthernet0' interface. The 'Static' radio button is selected under 'IP Configuration'. The 'IPv6 Configuration' section has 'Static' selected. The '802.1X' section has 'Use 802.1X Security' unchecked. A 'Top' button is at the bottom left.

Field	Value
Interface	FastEthernet0
IP Configuration	<input type="radio"/> DHCP <input checked="" type="radio"/> Static
IP Address	202.155.19.51
Subnet Mask	255.255.255.192
Default Gateway	0.0.0.0
DNS Server	0.0.0.0
IPv6 Configuration	<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static
IPv6 Address	
Link Local Address	FE80::201:42FF:FEA1:1359
IPv6 Gateway	
IPv6 DNS Server	
802.1X	<input type="checkbox"/> Use 802.1X Security

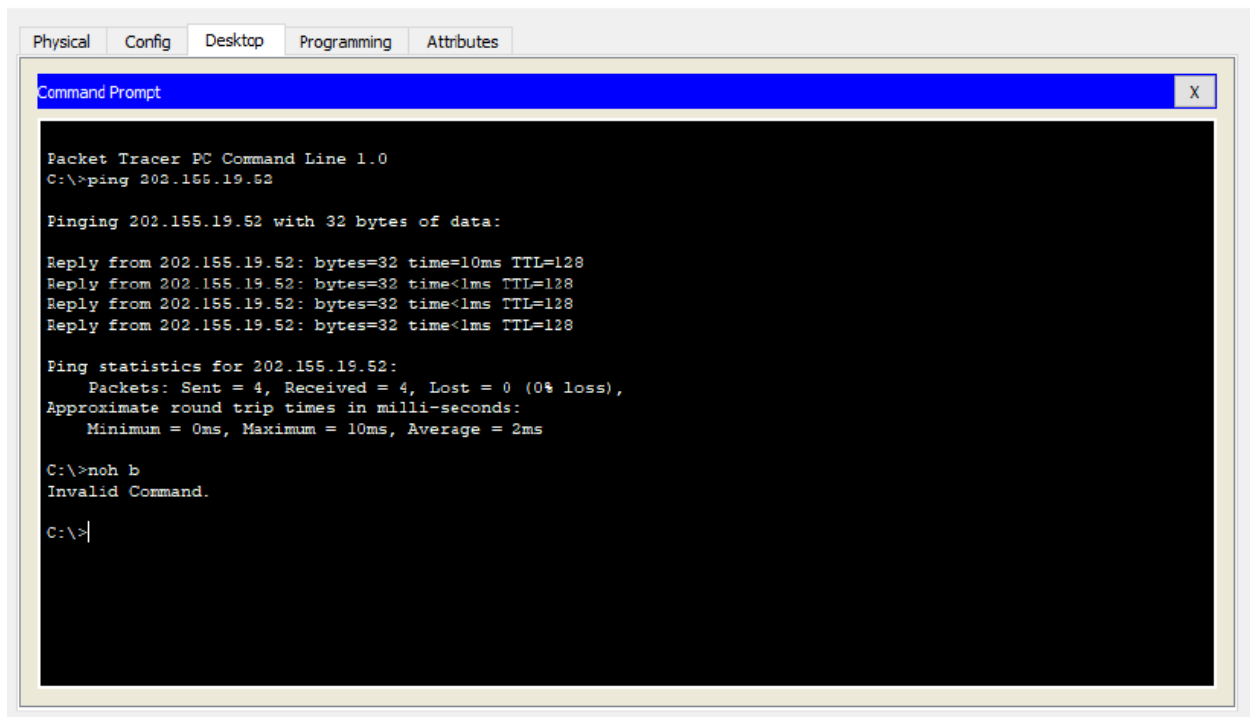
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The screenshot shows the 'IP Configuration' window for the 'FastEthernet0' interface. The 'Static' radio button is selected under 'IP Configuration'. The 'IPv6 Configuration' section has 'Static' selected. The '802.1X' section has 'Use 802.1X Security' unchecked. A 'Top' button is at the bottom left.

Field	Value
Interface	FastEthernet0
IP Configuration	<input type="radio"/> DHCP <input checked="" type="radio"/> Static
IP Address	202.155.19.59
Subnet Mask	255.255.255.192
Default Gateway	0.0.0.0
DNS Server	0.0.0.0
IPv6 Configuration	<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static
IPv6 Address	
Link Local Address	FE80::2D0:D3FF:FEED:624C
IPv6 Gateway	
IPv6 DNS Server	
802.1X	<input type="checkbox"/> Use 802.1X Security

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Mengeping dari PC0 switch 1 ke PC35 switch 5



The screenshot shows a Packet Tracer PC Command Line window with tabs for Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is active, displaying a Command Prompt. The text in the Command Prompt is as follows:

```
Packet Tracer PC Command Line 1.0
C:\>ping 202.155.19.52

Pinging 202.155.19.52 with 32 bytes of data:

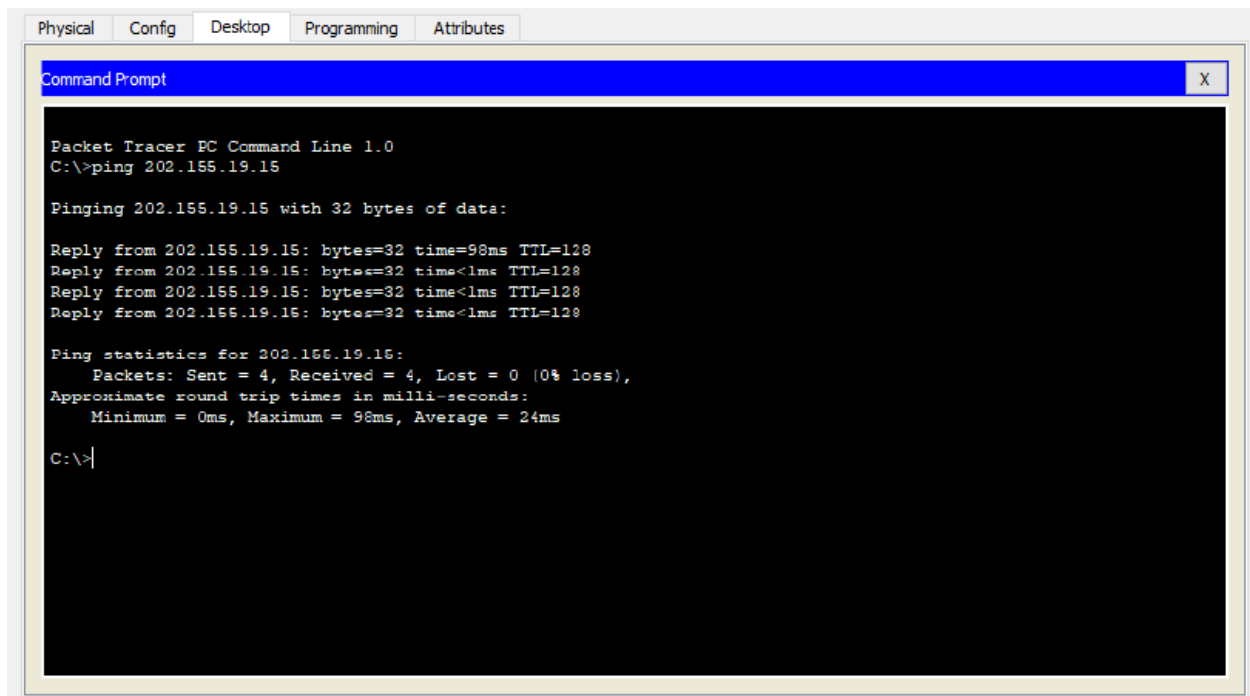
Reply from 202.155.19.52: bytes=32 time=10ms TTL=128
Reply from 202.155.19.52: bytes=32 time<1ms TTL=128
Reply from 202.155.19.52: bytes=32 time<1ms TTL=128
Reply from 202.155.19.52: bytes=32 time<1ms TTL=128

Ping statistics for 202.155.19.52:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 10ms, Average = 2ms

C:\>nob b
Invalid Command.

C:\>|
```

Mengeping dari PC3 switch 1 ke PC4 switch 1



The screenshot shows a Packet Tracer PC Command Line window with tabs for Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is active, displaying a Command Prompt. The text in the Command Prompt is as follows:

```
Packet Tracer PC Command Line 1.0
C:\>ping 202.155.19.15

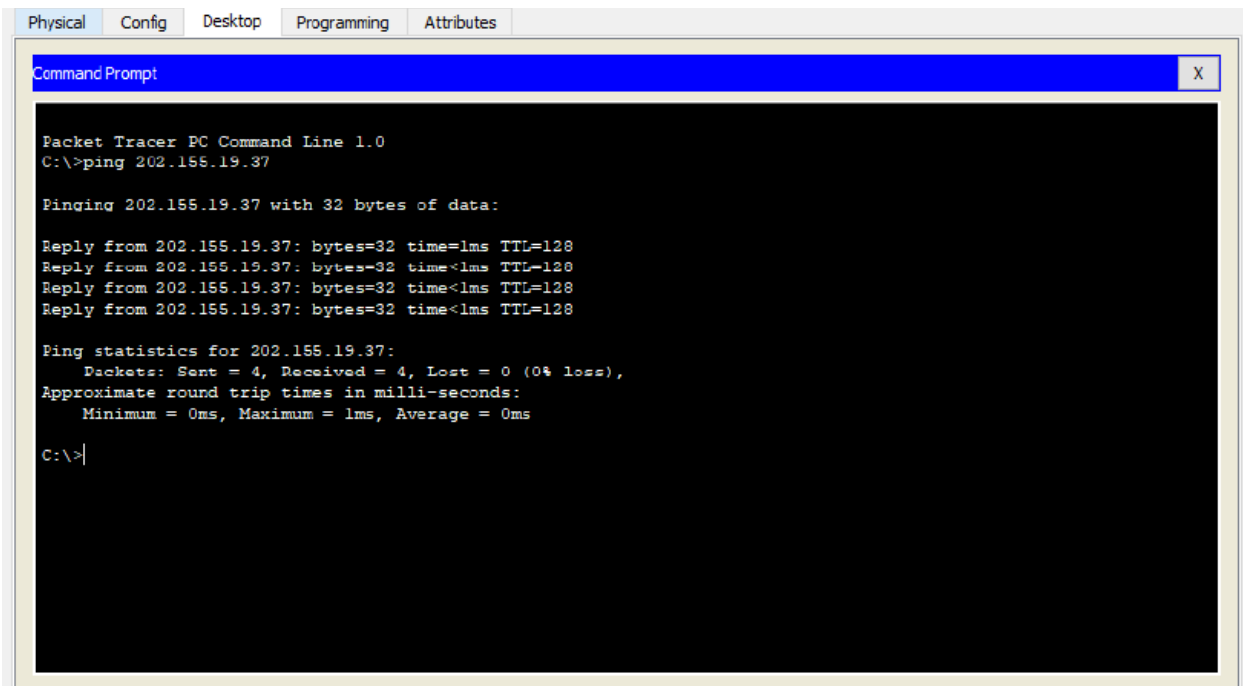
Pinging 202.155.19.15 with 32 bytes of data:

Reply from 202.155.19.15: bytes=32 time=98ms TTL=128
Reply from 202.155.19.15: bytes=32 time<1ms TTL=128
Reply from 202.155.19.15: bytes=32 time<1ms TTL=128
Reply from 202.155.19.15: bytes=32 time<1ms TTL=128

Ping statistics for 202.155.19.15:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 98ms, Average = 24ms

C:\>|
```

Mengeping dari PC15 switch 2 ke PC24 switch 3



The screenshot shows the 'Command Prompt' window of a Packet Tracer PC. The window has tabs for 'Physical', 'Config', 'Desktop', 'Programming', and 'Attributes'. The 'Desktop' tab is active, showing the 'Packet Tracer PC Command Line 1.0' interface. The command prompt shows the command 'C:\>ping 202.155.19.37' being executed. The output shows four successful replies from 202.155.19.37 with 32 bytes of data, each taking less than 1ms and having a TTL of 128. The ping statistics show 4 packets sent, 4 received, 0 lost, and an average round trip time of 0ms.

```
Packet Tracer PC Command Line 1.0
C:\>ping 202.155.19.37

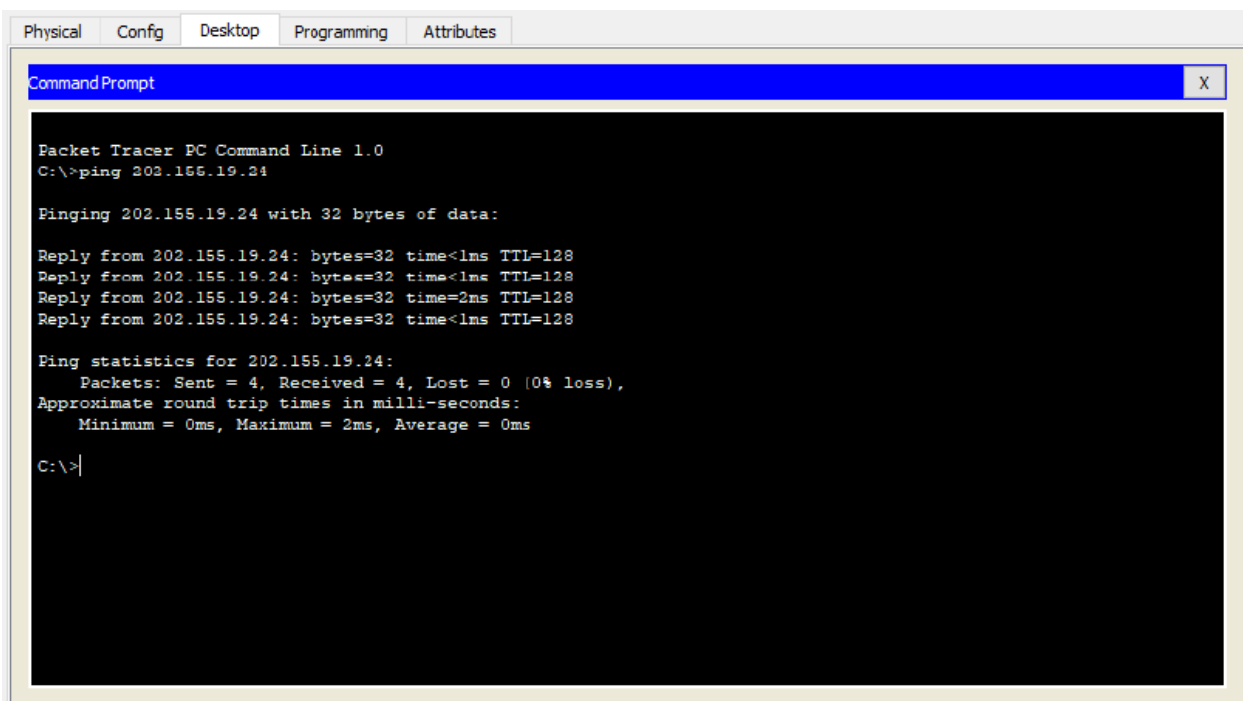
Pinging 202.155.19.37 with 32 bytes of data:

Reply from 202.155.19.37: bytes=32 time<1ms TTL=128
Reply from 202.155.19.37: bytes=32 time<1ms TTL=128
Reply from 202.155.19.37: bytes=32 time<1ms TTL=128
Reply from 202.155.19.37: bytes=32 time<1ms TTL=128

Ping statistics for 202.155.19.37:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>|
```

Mengeping dari PC12 switch 2 ke PC13 switch 2



The screenshot shows the 'Command Prompt' window of a Packet Tracer PC. The window has tabs for 'Physical', 'Config', 'Desktop', 'Programming', and 'Attributes'. The 'Desktop' tab is active, showing the 'Packet Tracer PC Command Line 1.0' interface. The command prompt shows the command 'C:\>ping 202.155.19.24' being executed. The output shows four successful replies from 202.155.19.24 with 32 bytes of data, each taking less than 1ms and having a TTL of 128. The ping statistics show 4 packets sent, 4 received, 0 lost, and an average round trip time of 0ms.

```
Packet Tracer PC Command Line 1.0
C:\>ping 202.155.19.24

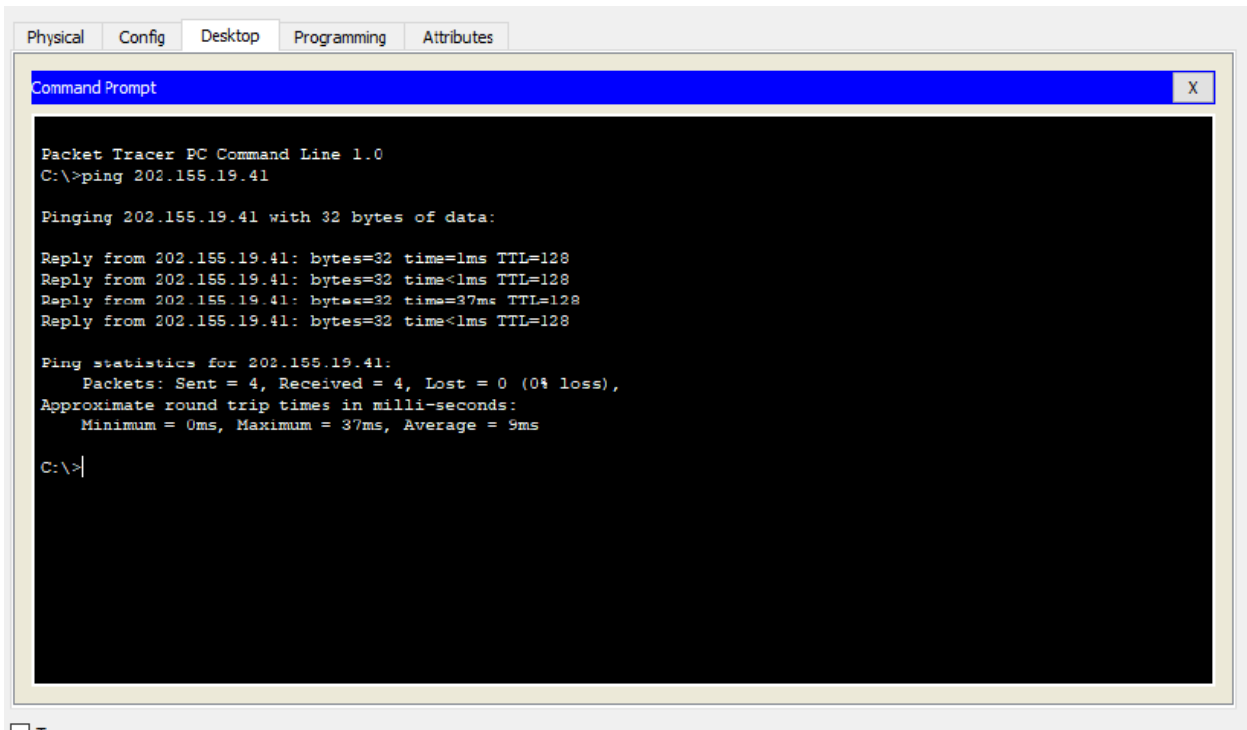
Pinging 202.155.19.24 with 32 bytes of data:

Reply from 202.155.19.24: bytes=32 time<1ms TTL=128
Reply from 202.155.19.24: bytes=32 time<1ms TTL=128
Reply from 202.155.19.24: bytes=32 time=2ms TTL=128
Reply from 202.155.19.24: bytes=32 time<1ms TTL=128

Ping statistics for 202.155.19.24:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 2ms, Average = 0ms

C:\>|
```


Mengeping dari PC25 switch 3 ke PC26 switch 4



The screenshot shows the Packet Tracer Desktop tab with a Command Prompt window open. The window title is "Command Prompt". The text inside the window is as follows:

```
Packet Tracer PC Command Line 1.0
C:\>ping 202.155.19.41

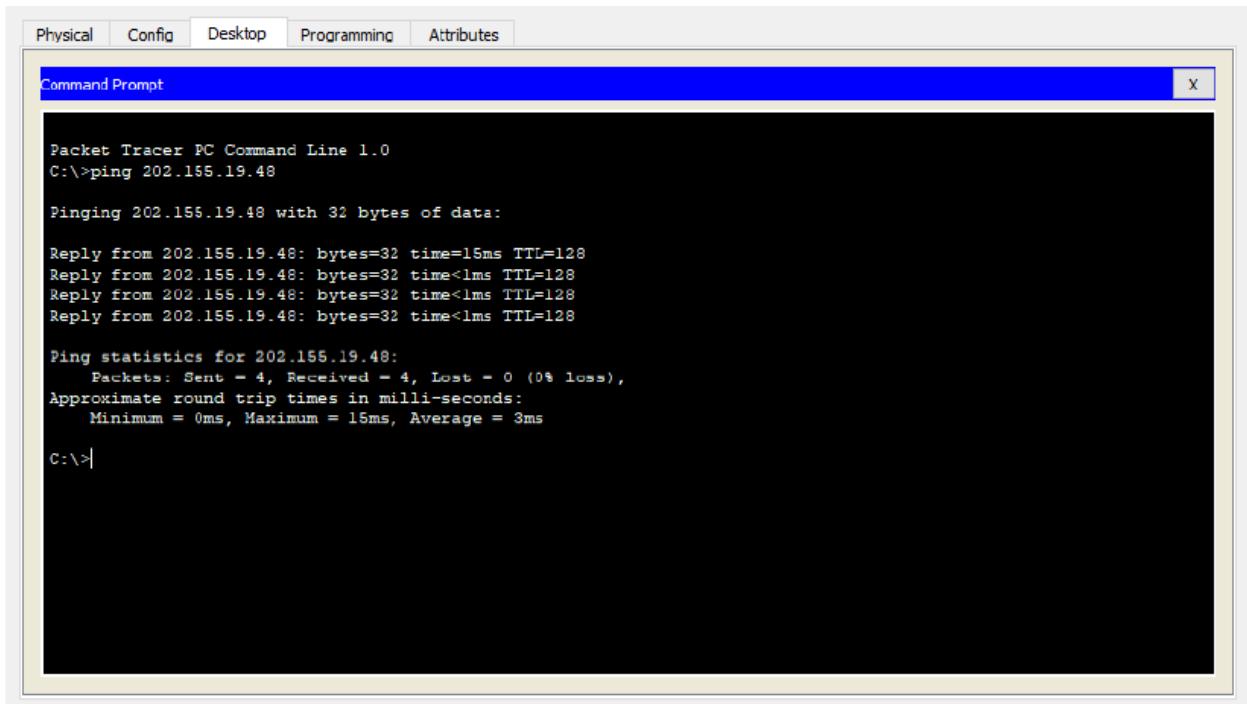
Pinging 202.155.19.41 with 32 bytes of data:

Reply from 202.155.19.41: bytes=32 time=1ms TTL=128
Reply from 202.155.19.41: bytes=32 time<1ms TTL=128
Reply from 202.155.19.41: bytes=32 time=37ms TTL=128
Reply from 202.155.19.41: bytes=32 time<1ms TTL=128

Ping statistics for 202.155.19.41:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 37ms, Average = 9ms

C:\>|
```

Mengeping dari PC32 switch 4 ke PC33 switch 4



The screenshot shows the Packet Tracer Desktop tab with a Command Prompt window open. The window title is "Command Prompt". The text inside the window is as follows:

```
Packet Tracer PC Command Line 1.0
C:\>ping 202.155.19.48

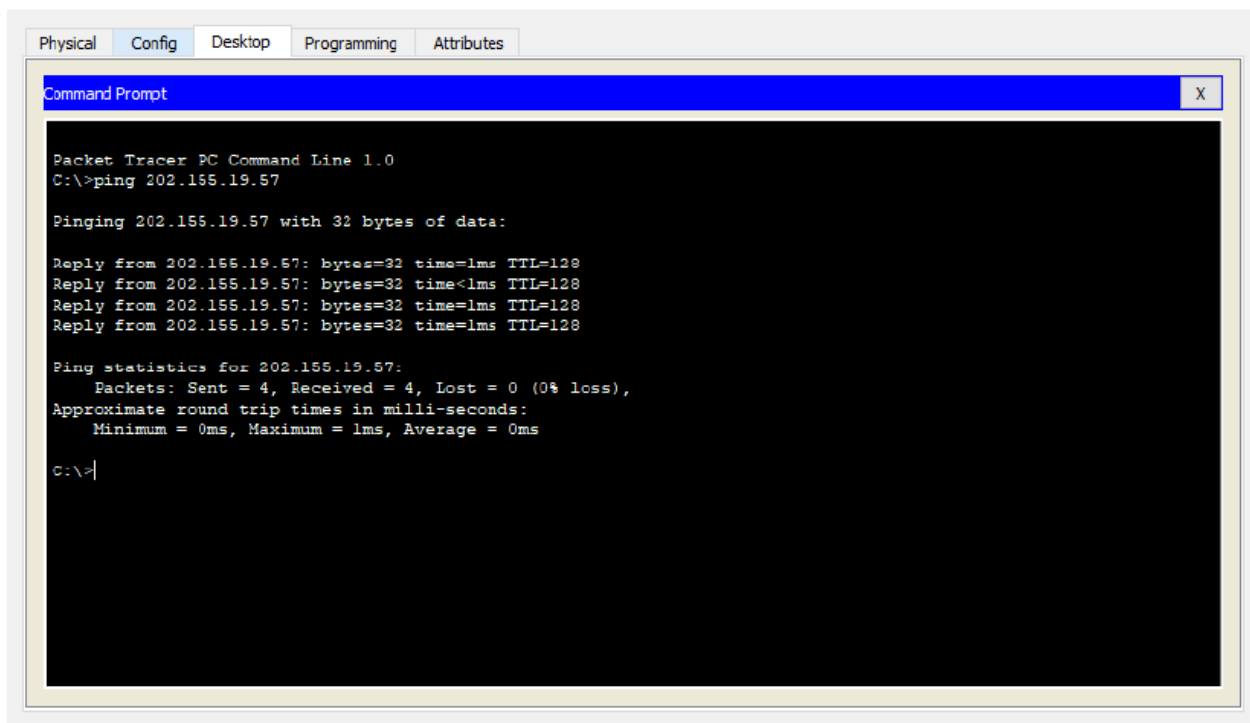
Pinging 202.155.19.48 with 32 bytes of data:

Reply from 202.155.19.48: bytes=32 time=15ms TTL=128
Reply from 202.155.19.48: bytes=32 time<1ms TTL=128
Reply from 202.155.19.48: bytes=32 time<1ms TTL=128
Reply from 202.155.19.48: bytes=32 time<1ms TTL=128

Ping statistics for 202.155.19.48:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 15ms, Average = 3ms

C:\>|
```

Mengeping dari PC38 switch 5 ke PC40 switch 5



The screenshot shows a Packet Tracer PC Command Line window with the following text:

```
Packet Tracer PC Command Line 1.0
C:\>ping 202.155.19.57

Pinging 202.155.19.57 with 32 bytes of data:

Reply from 202.155.19.57: bytes=32 time=1ms TTL=128
Reply from 202.155.19.57: bytes=32 time<1ms TTL=128
Reply from 202.155.19.57: bytes=32 time=1ms TTL=128
Reply from 202.155.19.57: bytes=32 time=1ms TTL=128

Ping statistics for 202.155.19.57:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>|
```