

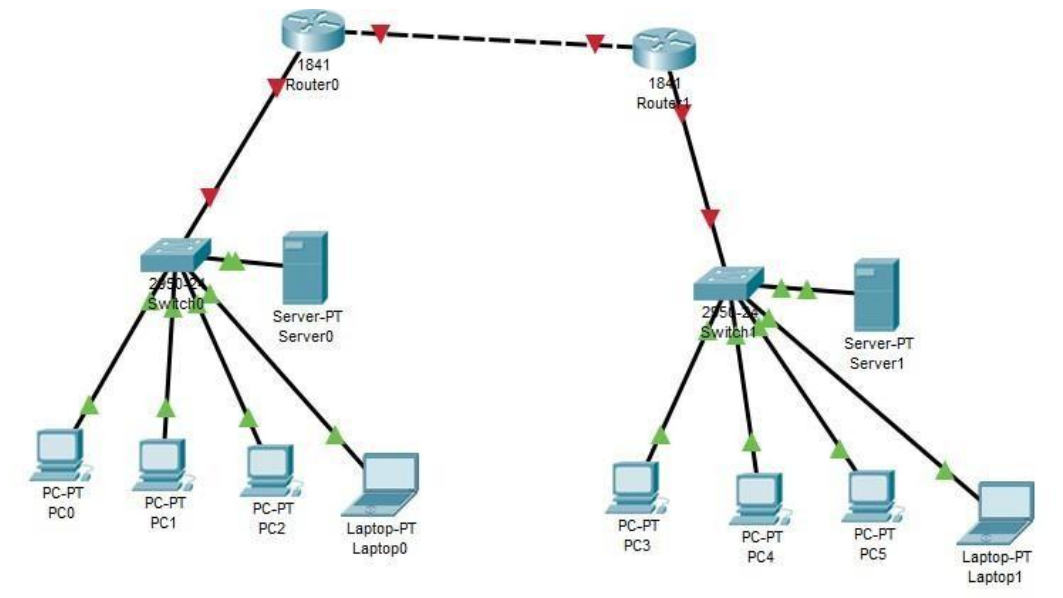
NAMA : DANANG AJI N

NIM : L20010015

KELAS : A

MODUL 2

KEGIATAN 1

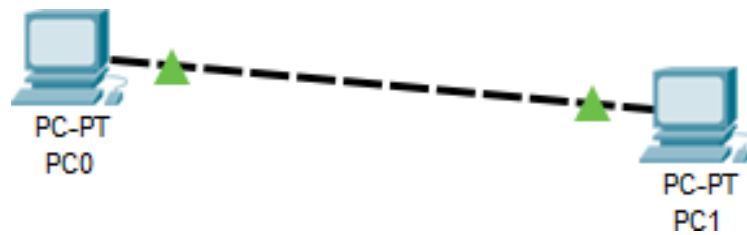


PENJELASAN:

LAMPU INDIKATOR BERWARNA MERAH MENUNJUKKAN BAHWA KABEL TIDAK TERHUBUNG ATAU TERJADI KESALAHAN. ITU TERJADI PADA ROUTER KARENA ROUTER TIDAK TERHUBUNG SECARA OTOMATIS.

LAMPU INDIKATOR BERWARNA HIJAU MENUNJUKKAN BAHWA KABEL BERHASIL MENGHUBUNGKAN PERANGKAT. PADA KASUS INI SERVER, PC DAN LAPTOP.

KEGIATAN 2



MEMODIFIKASI IP ADDRESS PADA PC 0 DENGAN ALAMAT 192.168.1.1

Physical	Config	Desktop	Programming	Attributes
<input type="radio"/> DHCP <input checked="" type="radio"/> 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				
<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static				
IPv6 Address		<input type="text"/> / <input type="text"/>		
Link Local Address		FE80::20D:BDFE:FED8:6098		
IPv6 Gateway		<input type="text"/>		
IPv6 DNS Server		<input type="text"/>		
802.1X				
<input type="checkbox"/> Use 802.1X Security				
Authentication		MD5		
Username		<input type="text"/>		
Password		<input type="text"/>		

MEMODIFIKASI IP ADDRESS PADA PC 1 DENGAN ALAMAT 192.168.1.2

Physical	Config	Desktop	Programming	Attributes
<input type="radio"/> DHCP <input checked="" type="radio"/> Static				
IP Address		192.168.1.2		
Subnet Mask		255.255.255.0		
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:FEAB:19E		
IPv6 Gateway				
IPv6 DNS Server				
802.1X				
<input type="checkbox"/> Use 802.1X Security				
Authentication		MD5		
Username				
Password				

KETIKA PERINTAH PING DIKETIKKAN MAKA YANG TERJADI:

```

Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:

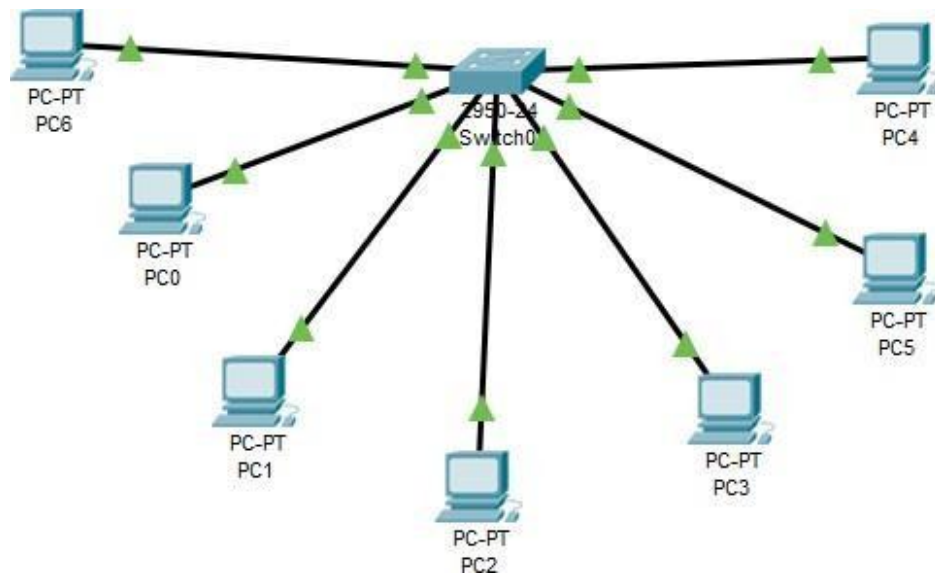
Reply from 192.168.1.1: bytes=32 time=9ms TTL=128
Reply from 192.168.1.1: bytes=32 time=2ms TTL=128
Reply from 192.168.1.1: bytes=32 time=2ms TTL=128
Reply from 192.168.1.1: bytes=32 time=4ms TTL=128

Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 2ms, Maximum = 9ms, Average = 4ms

C:\>
  
```

SETELAH DILAKUKAN PING, KEDUA PC TERHUBUNG DENGAN BAIK.

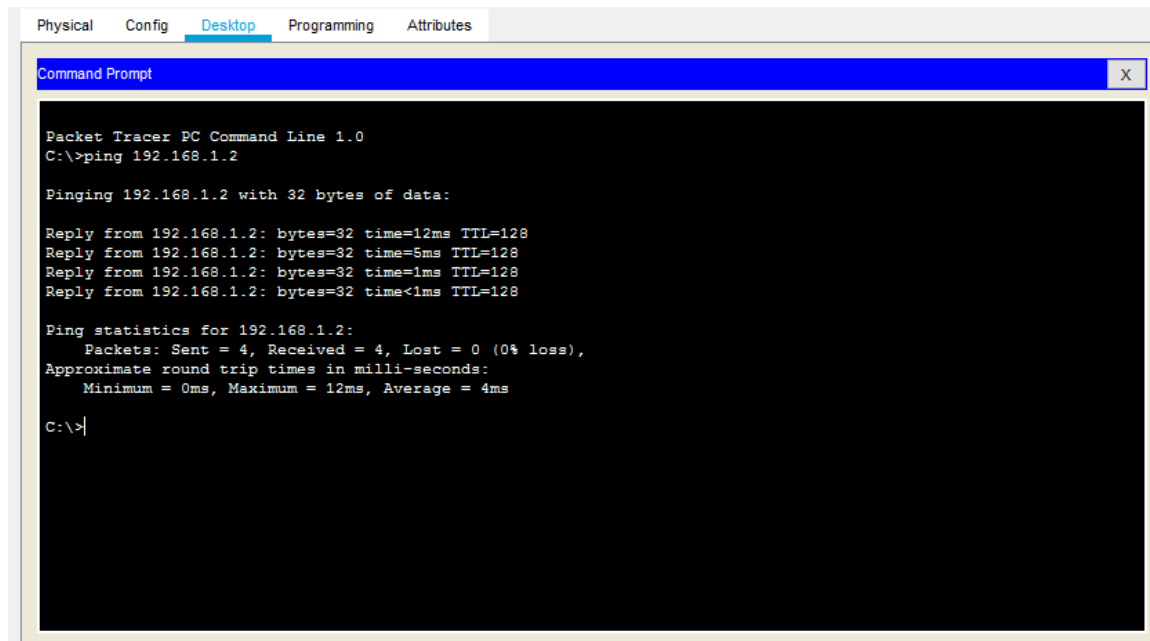
KEGIATAN 3



MEMODIFIKASI IP ADDRESS PADA PC 0 SAMPAI PC 6 DENGAN ALAMAT 192.168.1.1, 192.168.1.2, 192.168.1.3, 192.168.1.4, 192.168.2.5, 192.168.2.6, 192.168.2.7

Physical	Config	Desktop	Programming	Attributes
<input type="radio"/> DHCP <input checked="" type="radio"/> 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				
<input type="radio"/> DHCP <input type="radio"/> Auto Config <input checked="" type="radio"/> Static				
IPv6 Address		/		
Link Local Address		FE80::200:CFF:FE4E:230E		
IPv6 Gateway				
IPv6 DNS Server				
802.1X				
<input type="checkbox"/> Use 802.1X Security				
Authentication		MD5		
Username				
Password				

a. PING ANTARA PC1 KE PC2



The screenshot shows the Packet Tracer interface with the 'Desktop' tab selected. A Command Prompt window is open, displaying the results of a ping command from PC 1 to PC 2 (192.168.1.2). The output shows four successful replies with varying times and a 0% loss rate.

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

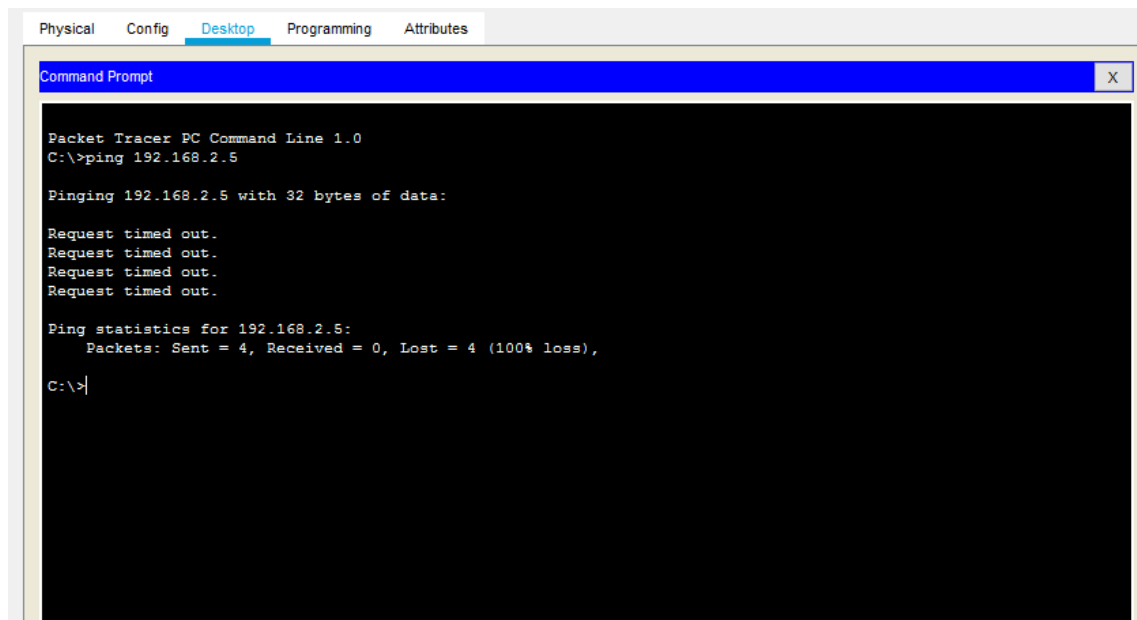
Reply from 192.168.1.2: bytes=32 time=12ms TTL=128
Reply from 192.168.1.2: bytes=32 time=5ms TTL=128
Reply from 192.168.1.2: bytes=32 time=1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 12ms, Average = 4ms

C:\>|
```

SETELAH MELAKUKAN PING, MAKA DAPAT DISIMPULKAN BAHWA KEDUA PC TERHUBUNG DENGAN BAIK.

b. PING ANTARA PC 3 KE PC 5



The screenshot shows the Packet Tracer interface with the 'Desktop' tab selected. A Command Prompt window is open, displaying the results of a ping command from PC 3 to PC 5 (192.168.2.5). The output shows four 'Request timed out' messages and a 100% loss rate.

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.2.5

Pinging 192.168.2.5 with 32 bytes of data:

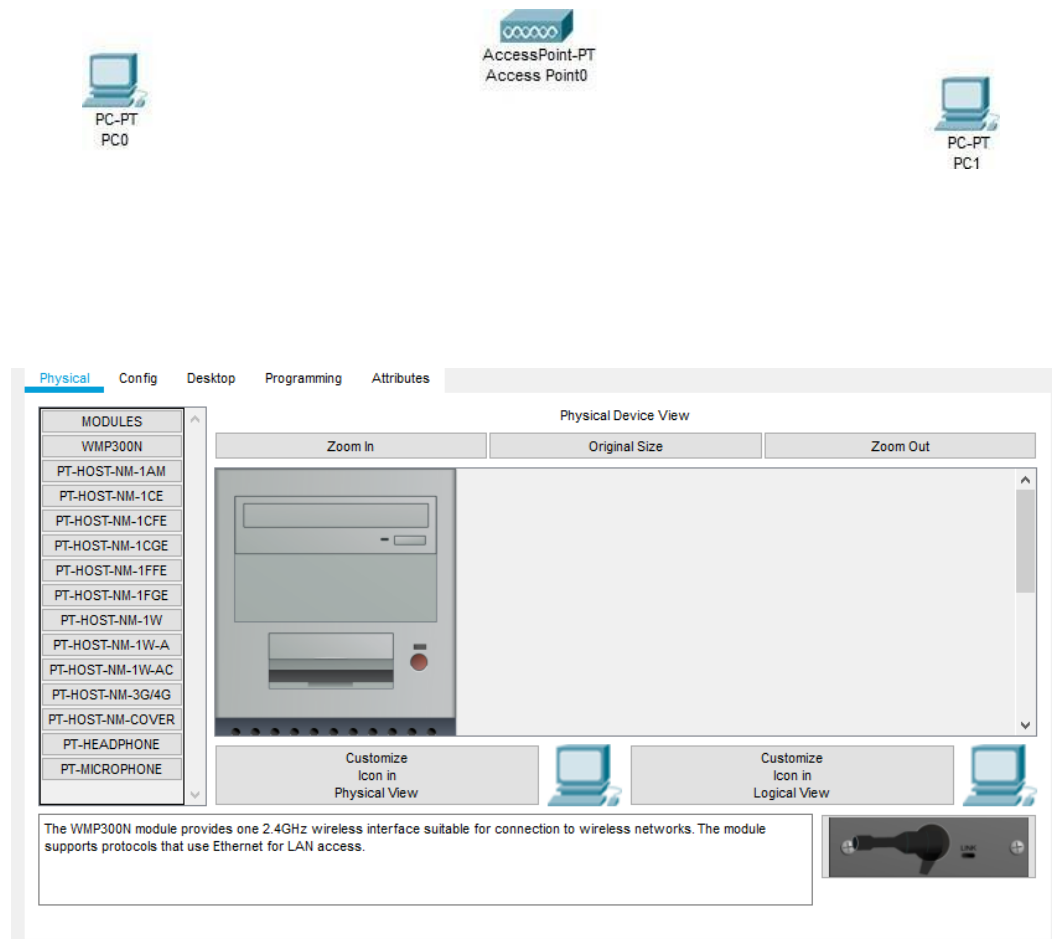
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.168.2.5:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

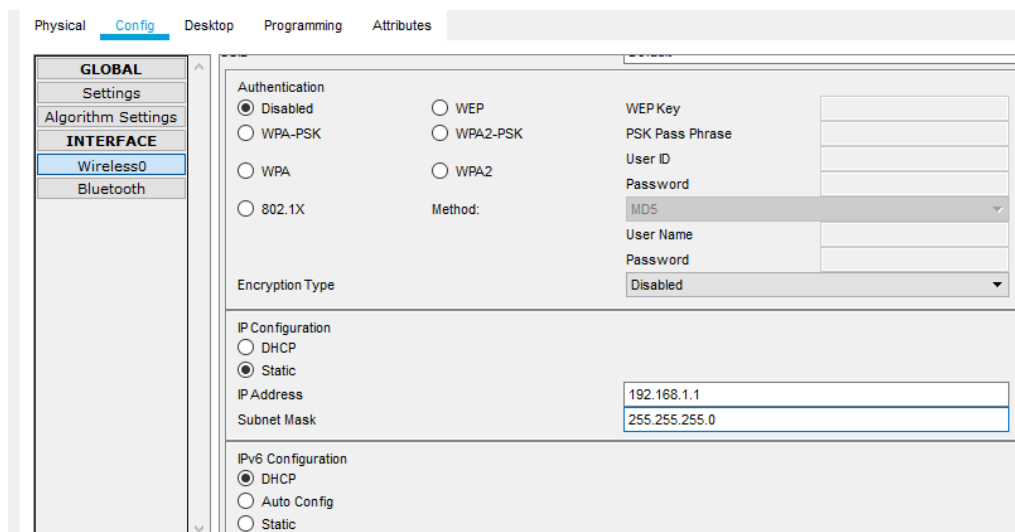
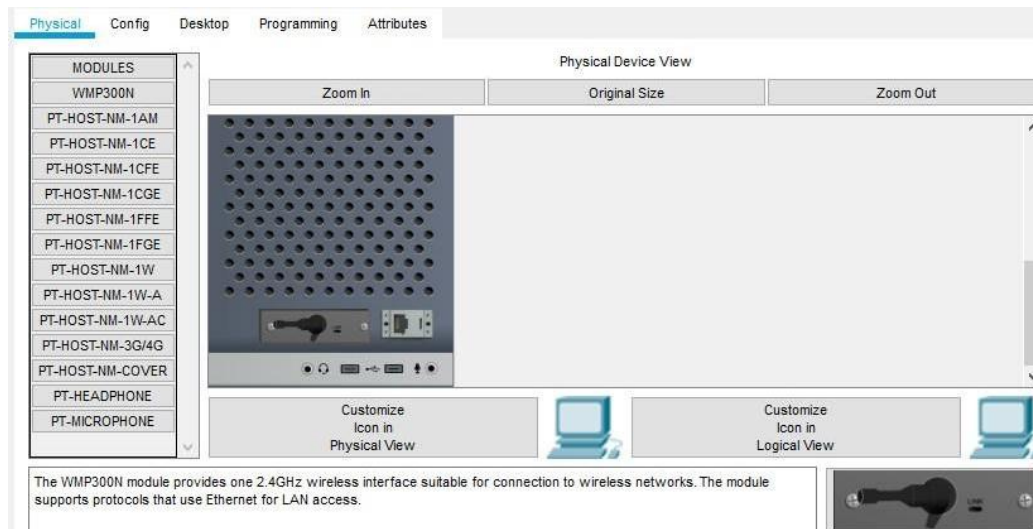
C:\>|
```

PC 3 DAN PC 5 TIDAK TERHUBUNG KARENA MEMILIKI HOST YANG BERBEDA.

KEGLATAN 4



MEMATIKAN TOMBOL POWER KEMUDIAN MENGGANTI KOMPONEN MODULE LAN CARD DENGAN PERANGKAT LINKSYS WMP 300 (LAKUKAN PADA PC 0 DAN PC 1).



MEMODIFIKASI IP ADDRESS PADA PC 0 DENGAN ALAMAT 192.168.1.1

Physical **Config** Desktop Programming Attributes

GLOBAL

Settings

Algorithm Settings

INTERFACE

Wireless0

Bluetooth

SSID: Default

Authentication

☒ Disabled ☐ WEP ☐ WPA-PSK ☐ WPA2-PSK ☐ WPA ☐ WPA2 ☐ 802.1X

Method:

WEP Key

PSK Pass Phrase

User ID

Password

MD5

User Name

Password

Disabled

Encryption Type

IP Configuration

☐ DHCP ☒ Static

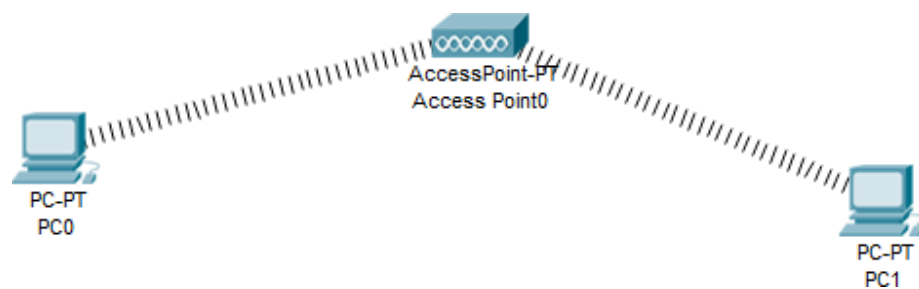
IP Address: 192.168.1.2

Subnet Mask: 255.255.255.0

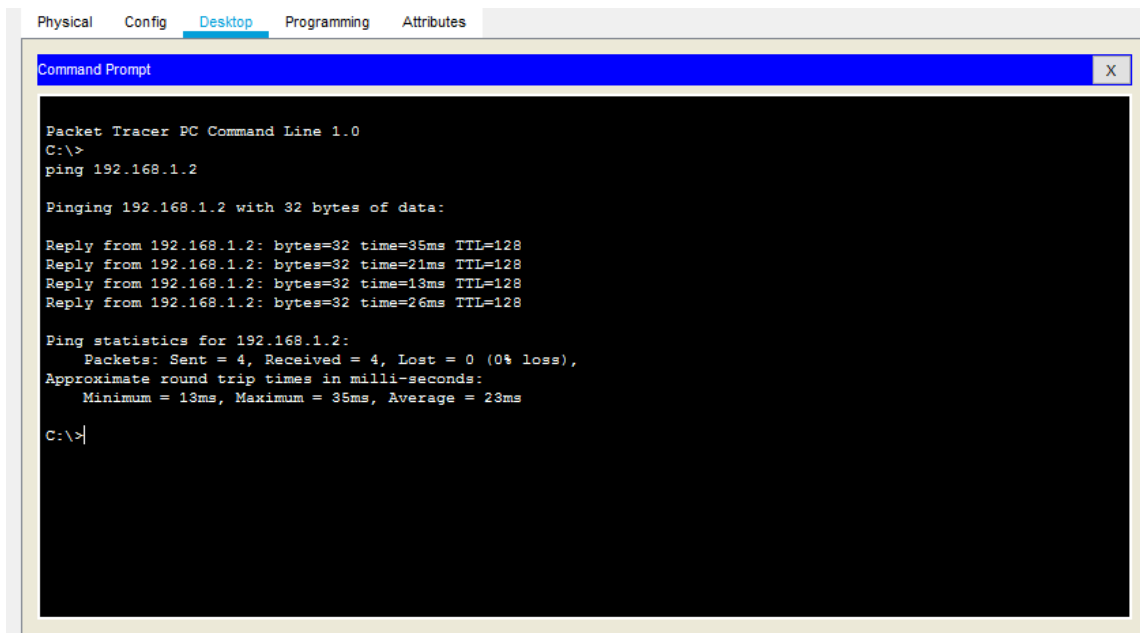
IPv6 Configuration

☒ DHCP ☐ Auto Config ☐ Static

MEMODIFIKASI IP ADDRESS PADA PC 1 DENGAN ALAMAT 192.168.1.2



SETELAH DILAKUKAN PING:



The screenshot shows the Packet Tracer interface with the 'Desktop' tab selected. A 'Command Prompt' window is open, displaying the following text:

```
Packet Tracer PC Command Line 1.0
C:\>
ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

Reply from 192.168.1.2: bytes=32 time=35ms TTL=128
Reply from 192.168.1.2: bytes=32 time=21ms TTL=128
Reply from 192.168.1.2: bytes=32 time=13ms TTL=128
Reply from 192.168.1.2: bytes=32 time=26ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 13ms, Maximum = 35ms, Average = 23ms

C:\>
```

**SETELAH DILAKUKAN PING DAPAT DISIMPULKAN BAHWA KEDUA
PC TERHUBUNG DENGAN BAIK.**