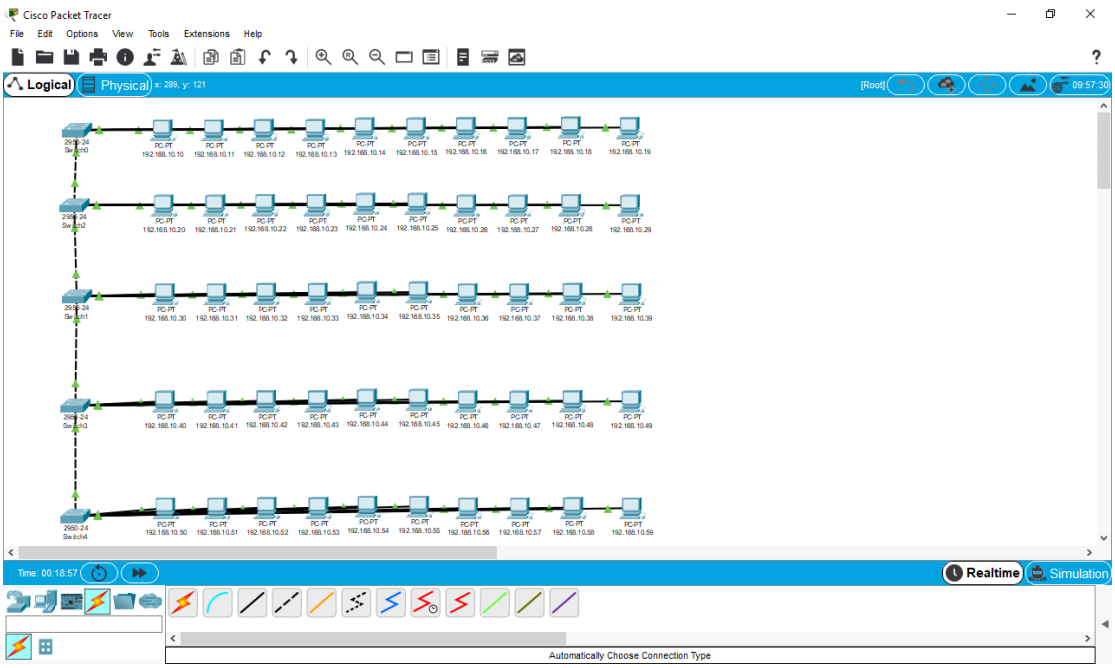
Nama : Listian Prihutomo

NIM : L200170175

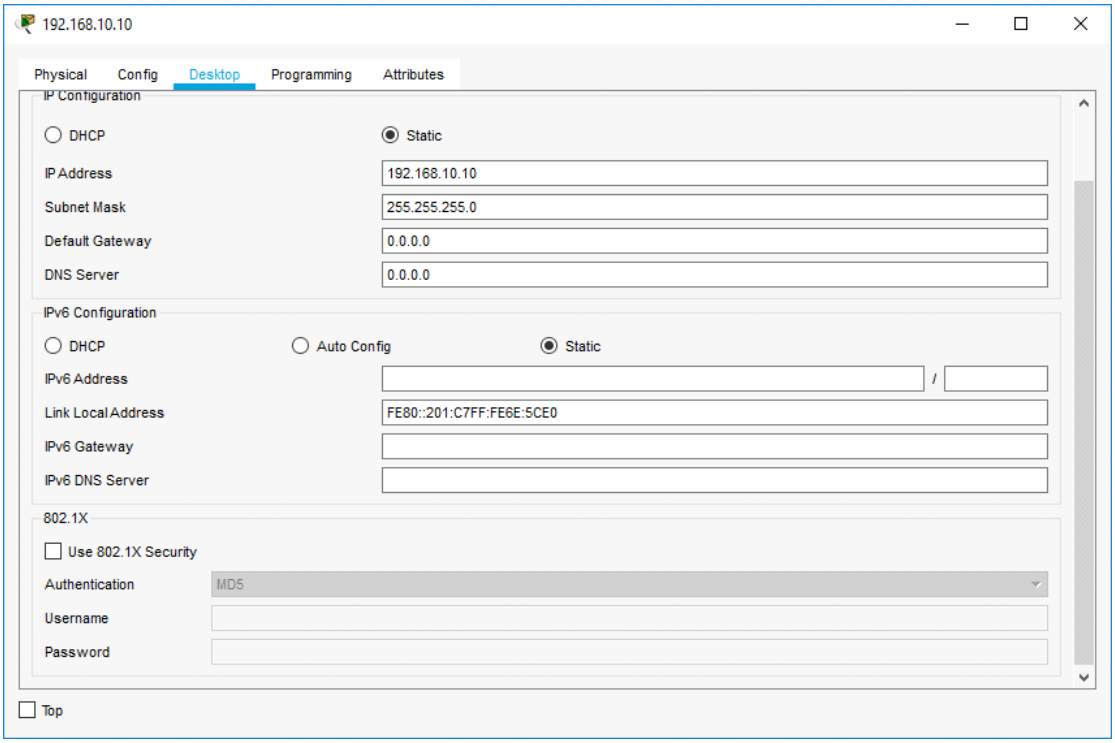
Kelas : D

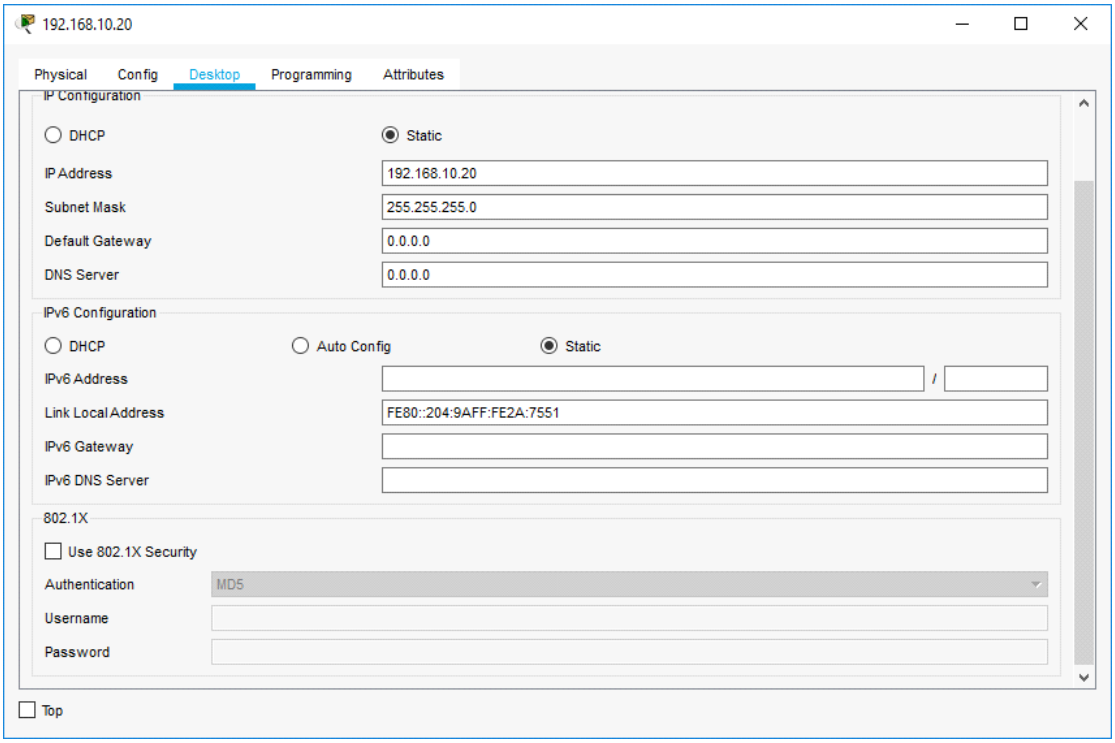
TUGAS PRAKTIKUM JARINGAN KOMUNIKASI MODUL 2

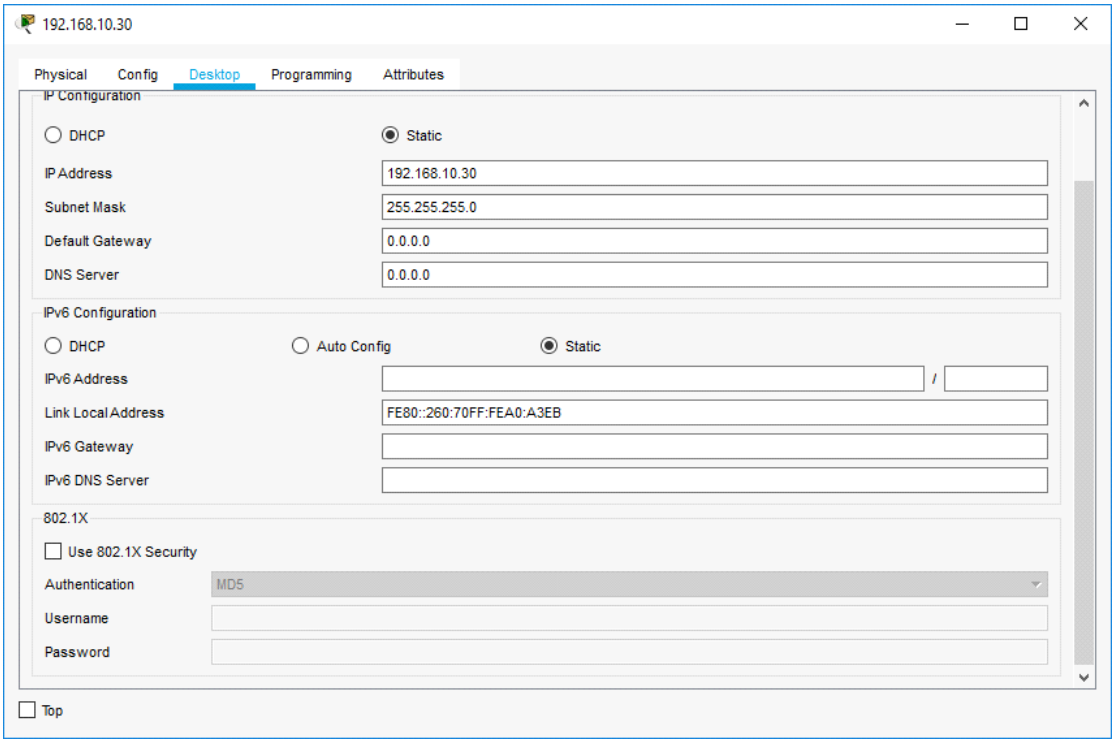
1. Rancangan jaringan dengan 5 buah switch dengan masing-masing switch terdapat 10 end-devices berupa PC dengan pembagian ip dengan range 192.168.10.10 - 192.168.10.60

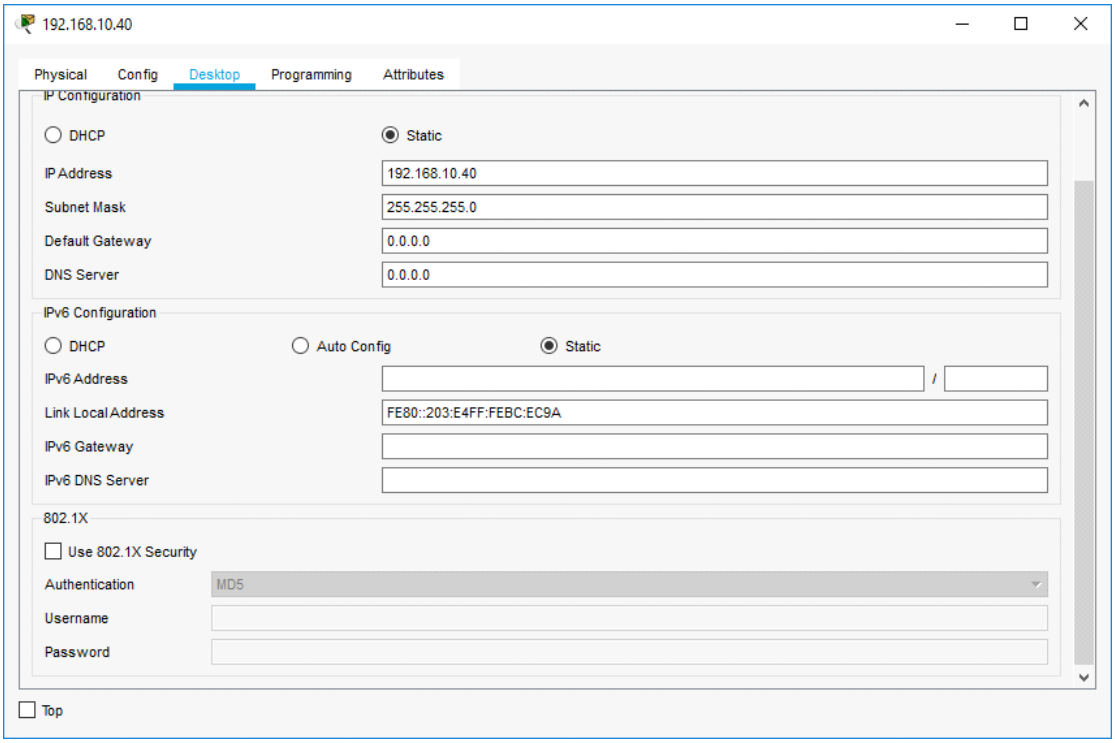


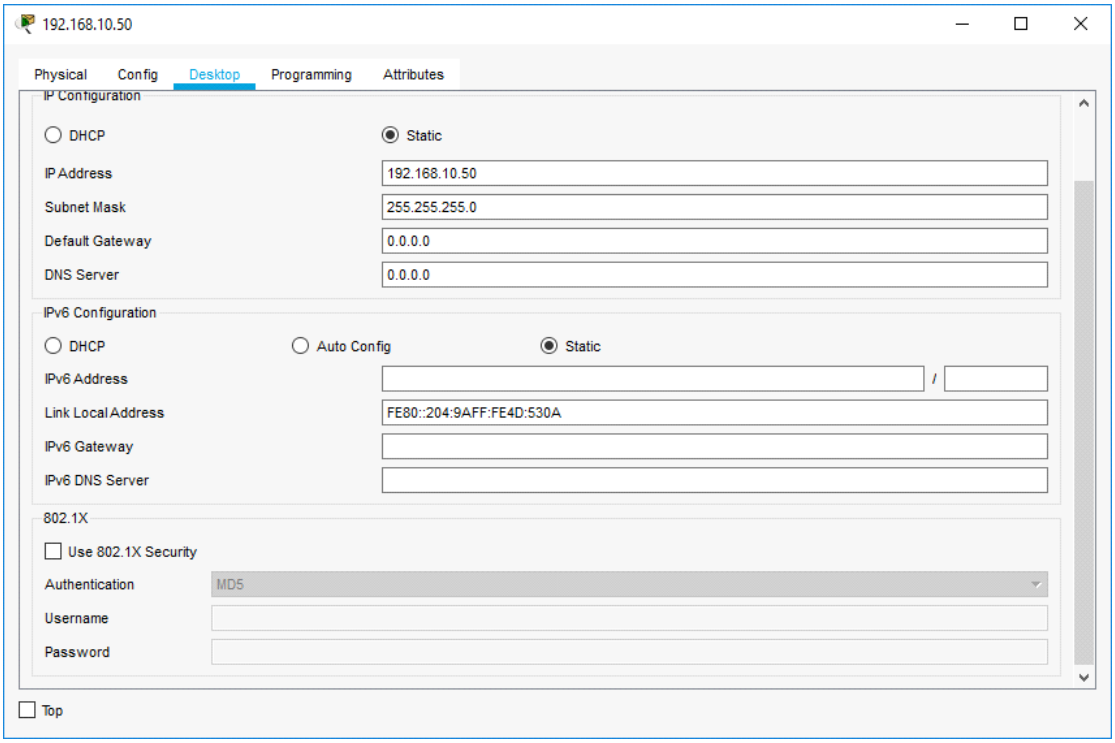
2. Pembagian Ip pada masing-masing PC yang terdapat pada switch yang berbeda


192.168.10.10
Physical
Config
Desktop
Programming
Attributes
IP Configuration
DHCP
Static
IP Address
192.168.10.10
Subnet Mask
255.255.255.0
Default Gateway
0.0.0.0
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::201:C7FF:FE6E:5CE0
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Authentication
MD5
Username
Password
Top

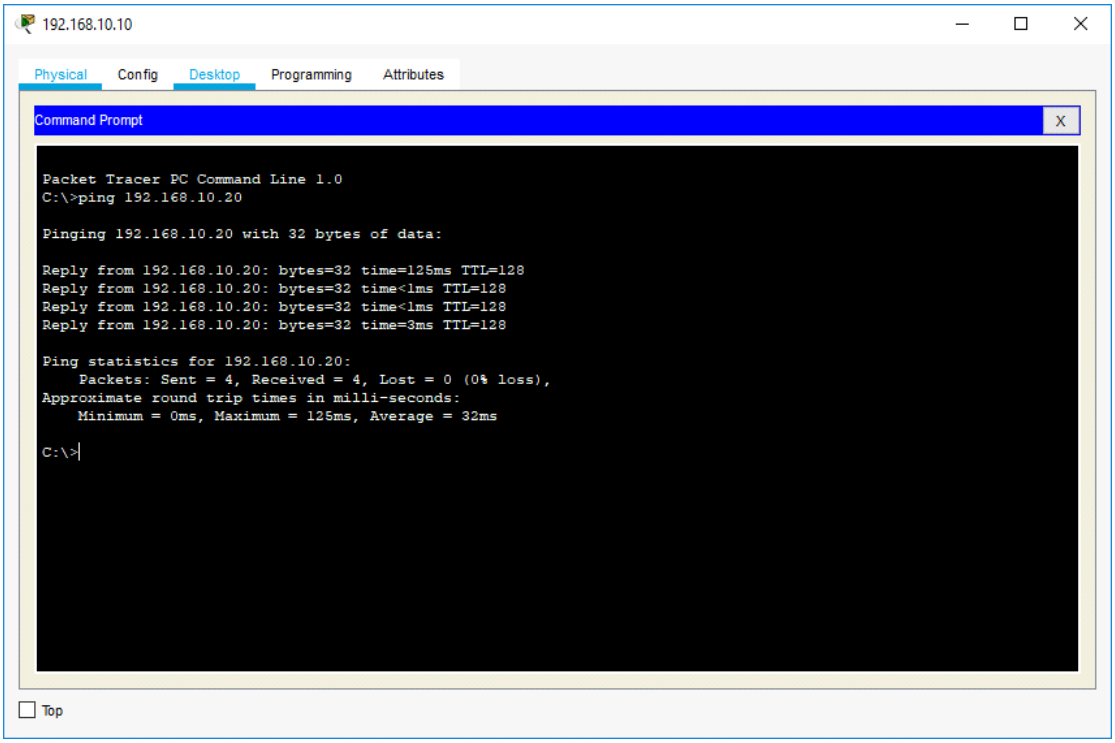

192.168.10.20
Physical
Config
Desktop
Programming
Attributes
IP Configuration
DHCP
Static
IP Address
192.168.10.20
Subnet Mask
255.255.255.0
Default Gateway
0.0.0.0
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::204:9AFF:FE2A:7551
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Authentication
MD5
Username
Password
Top

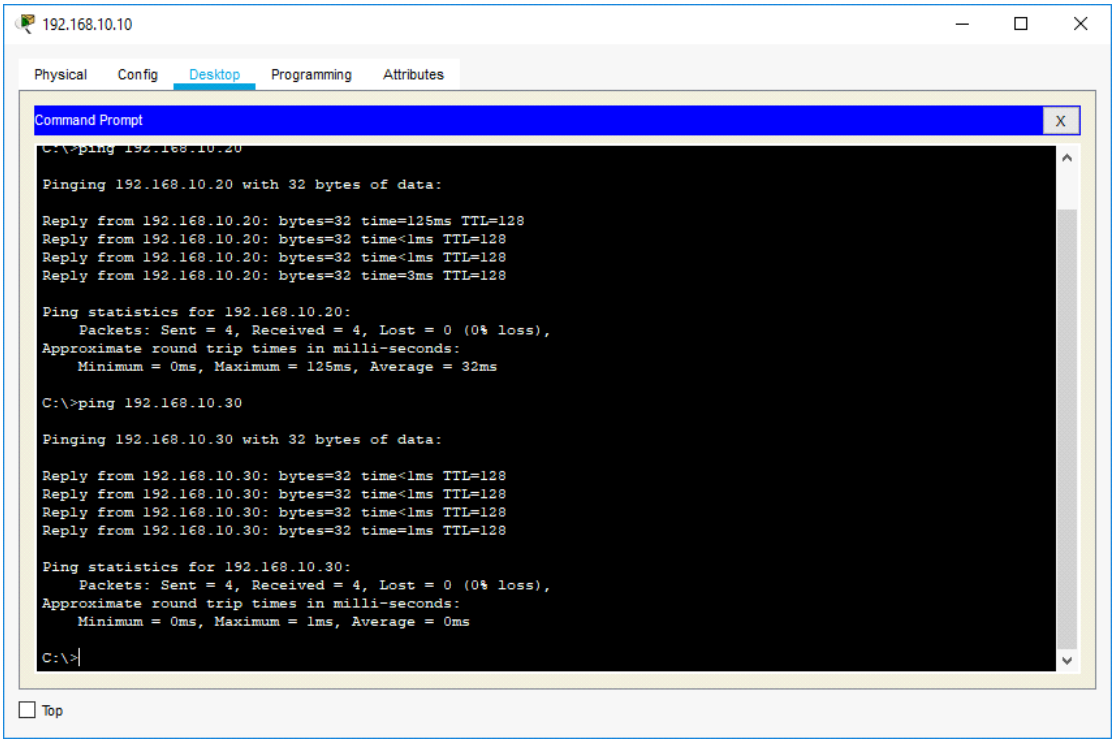

192.168.10.30
Physical
Config
Desktop
Programming
Attributes
IP Configuration
DHCP
Static
IP Address
192.168.10.30
Subnet Mask
255.255.255.0
Default Gateway
0.0.0.0
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::260:70FF:FEA0:A3EB
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Authentication
MD5
Username
Password
Top

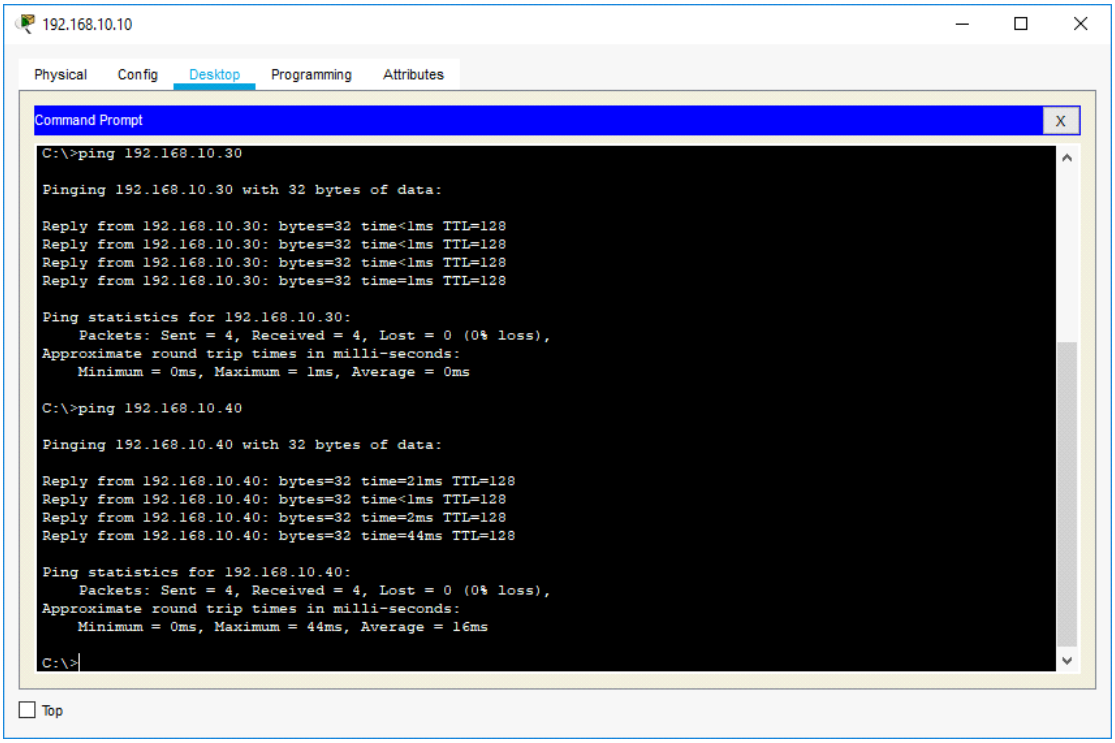

192.168.10.40
Physical
Config
Desktop
Programming
Attributes
IP Configuration
DHCP
Static
IP Address
192.168.10.40
Subnet Mask
255.255.255.0
Default Gateway
0.0.0.0
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::203:E4FF:FEBC:EC9A
IPv6 Gateway
IPv6 DNS Server
802.1X
Use 802.1X Security
Authentication
MD5
Username
Password
Top

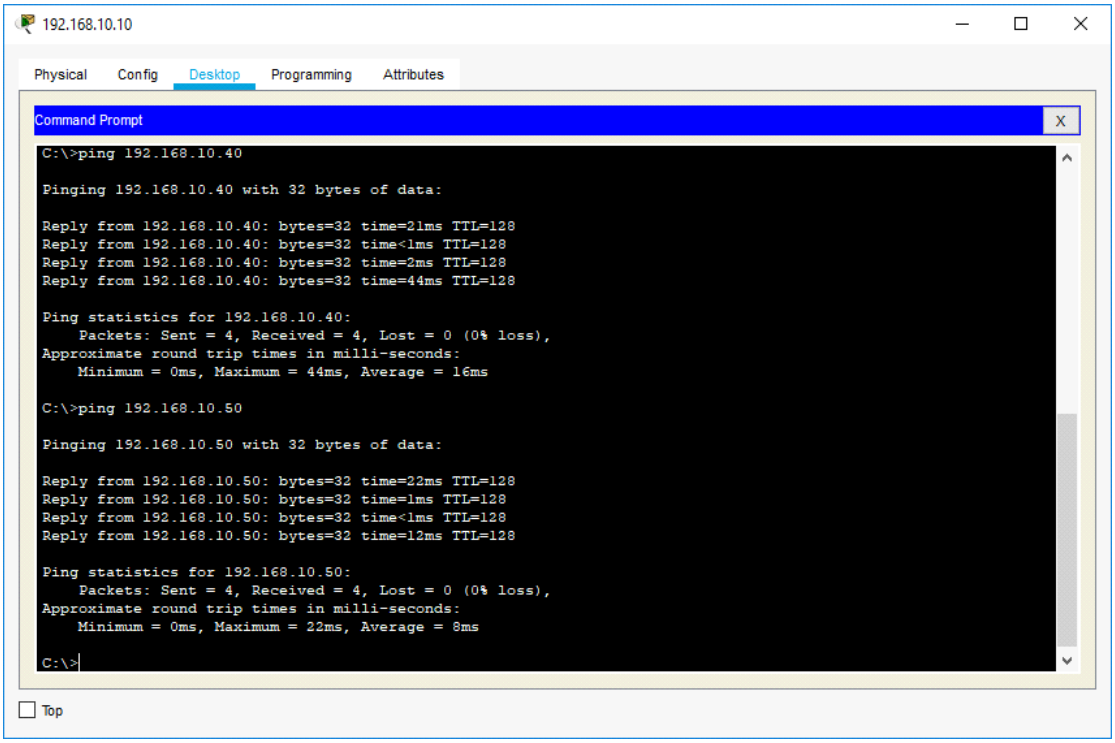


3. Uji koneksi dari jaringan 192.168.10.10 ke 192.168.10.2x - 192.168.10.5x




192.168.10.10
Physical
Config
Desktop
Programming
Attributes
Command Prompt
C:\>ping 192.168.10.20
Pinging 192.168.10.20 with 32 bytes of data:
Reply from 192.168.10.20: bytes=32 time=125ms TTL=128
Reply from 192.168.10.20: bytes=32 time<1ms TTL=128
Reply from 192.168.10.20: bytes=32 time<1ms TTL=128
Reply from 192.168.10.20: bytes=32 time=3ms TTL=128
Ping statistics for 192.168.10.20:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 125ms, Average = 32ms
C:\>ping 192.168.10.30
Pinging 192.168.10.30 with 32 bytes of data:
Reply from 192.168.10.30: bytes=32 time<1ms TTL=128
Reply from 192.168.10.30: bytes=32 time<1ms TTL=128
Reply from 192.168.10.30: bytes=32 time<1ms TTL=128
Reply from 192.168.10.30: bytes=32 time=1ms TTL=128
Ping statistics for 192.168.10.30:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>
Top


192.168.10.10
Physical
Config
Desktop
Programming
Attributes
Command Prompt
C:\>ping 192.168.10.30
Pinging 192.168.10.30 with 32 bytes of data:
Reply from 192.168.10.30: bytes=32 time<1ms TTL=128
Reply from 192.168.10.30: bytes=32 time<1ms TTL=128
Reply from 192.168.10.30: bytes=32 time<1ms TTL=128
Reply from 192.168.10.30: bytes=32 time=1ms TTL=128
Ping statistics for 192.168.10.30:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 1ms, Average = 0ms
C:\>ping 192.168.10.40
Pinging 192.168.10.40 with 32 bytes of data:
Reply from 192.168.10.40: bytes=32 time=21ms TTL=128
Reply from 192.168.10.40: bytes=32 time<1ms TTL=128
Reply from 192.168.10.40: bytes=32 time=2ms TTL=128
Reply from 192.168.10.40: bytes=32 time=44ms TTL=128
Ping statistics for 192.168.10.40:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 44ms, Average = 16ms
C:\>
Top


192.168.10.10
Physical
Config
Desktop
Programming
Attributes
Command Prompt
X
C:\>ping 192.168.10.40
Pinging 192.168.10.40 with 32 bytes of data:
Reply from 192.168.10.40: bytes=32 time=21ms TTL=128
Reply from 192.168.10.40: bytes=32 time<1ms TTL=128
Reply from 192.168.10.40: bytes=32 time=2ms TTL=128
Reply from 192.168.10.40: bytes=32 time=44ms TTL=128
Ping statistics for 192.168.10.40:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 44ms, Average = 16ms
C:\>ping 192.168.10.50
Pinging 192.168.10.50 with 32 bytes of data:
Reply from 192.168.10.50: bytes=32 time=22ms TTL=128
Reply from 192.168.10.50: bytes=32 time=1ms TTL=128
Reply from 192.168.10.50: bytes=32 time<1ms TTL=128
Reply from 192.168.10.50: bytes=32 time=12ms TTL=128
Ping statistics for 192.168.10.50:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 22ms, Average = 8ms
C:\>
Top