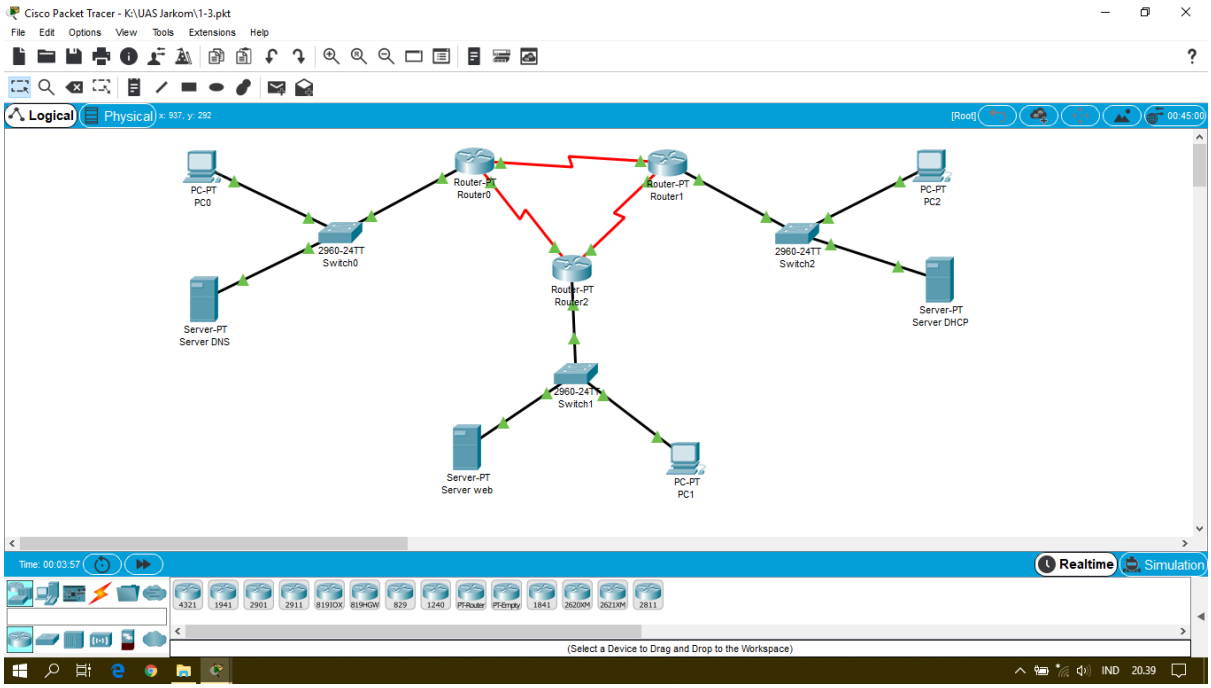
Nama : Oki Kus Mahesa

Nim : L200170064

Kelas : B

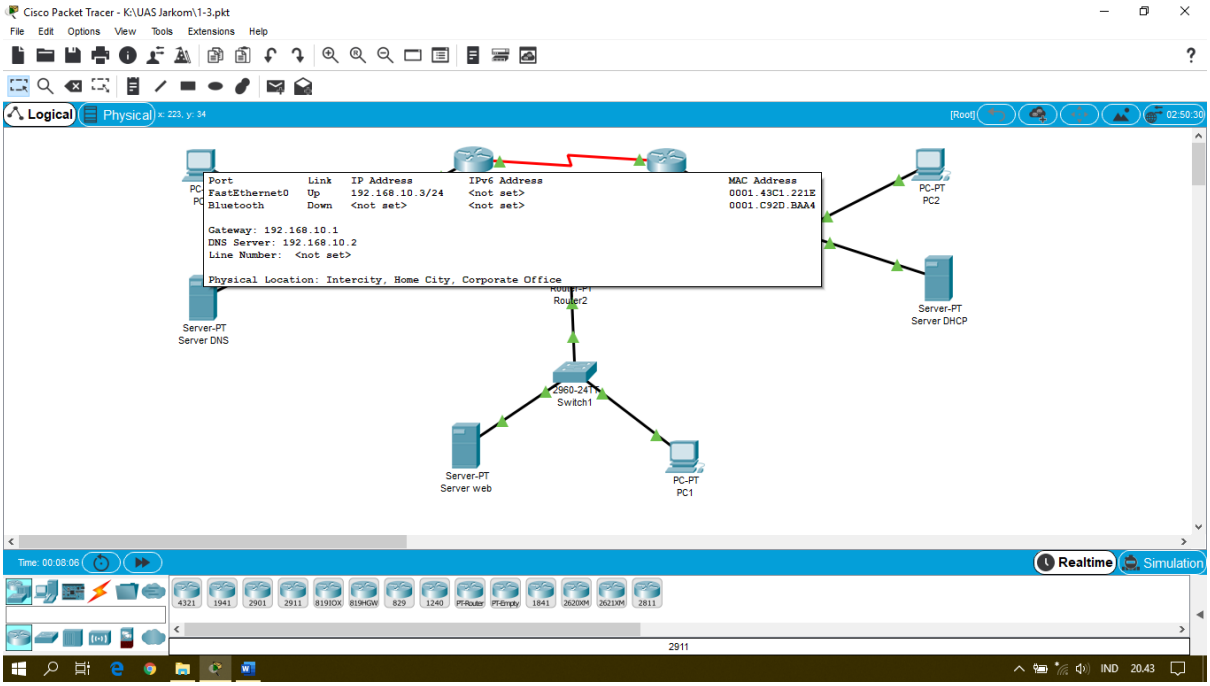
Penambahan Nilai UAS Jarkom

1. **Buatlah Topologi jaringan seperti Gambar 1, menggunakan router seri generic**

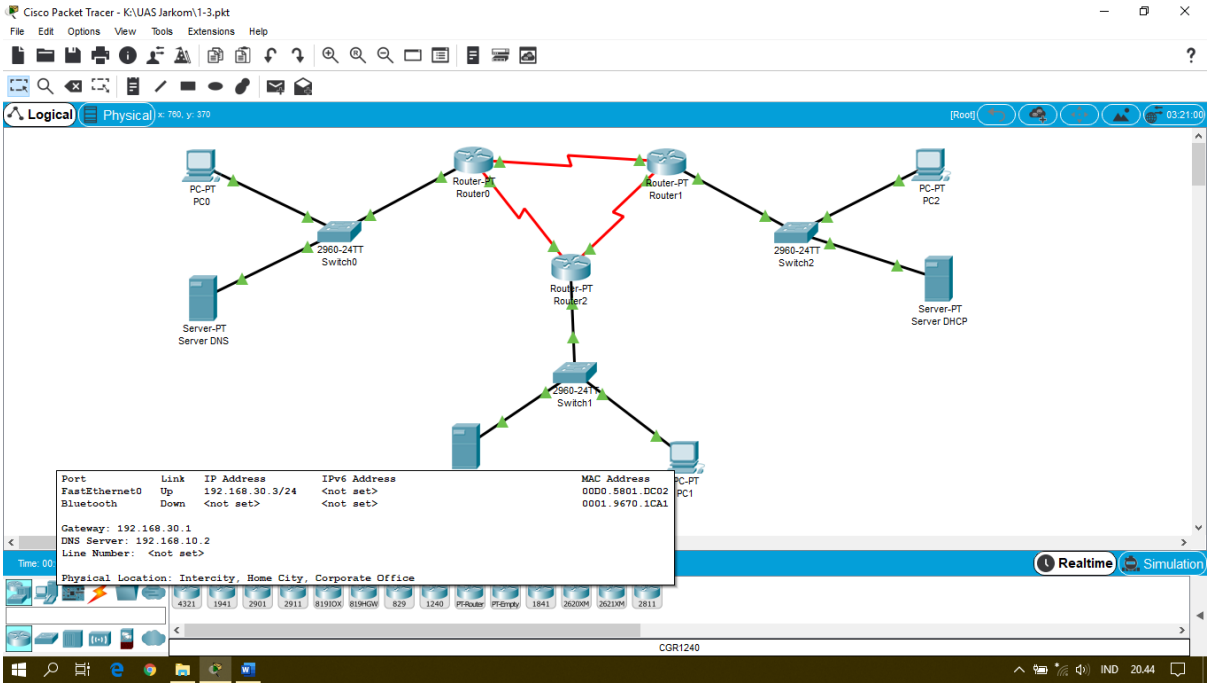


2. **Lakukan konfigurasi pengalamatan IP terhadap Router 1,2,3, Pc 1,2,3 !**

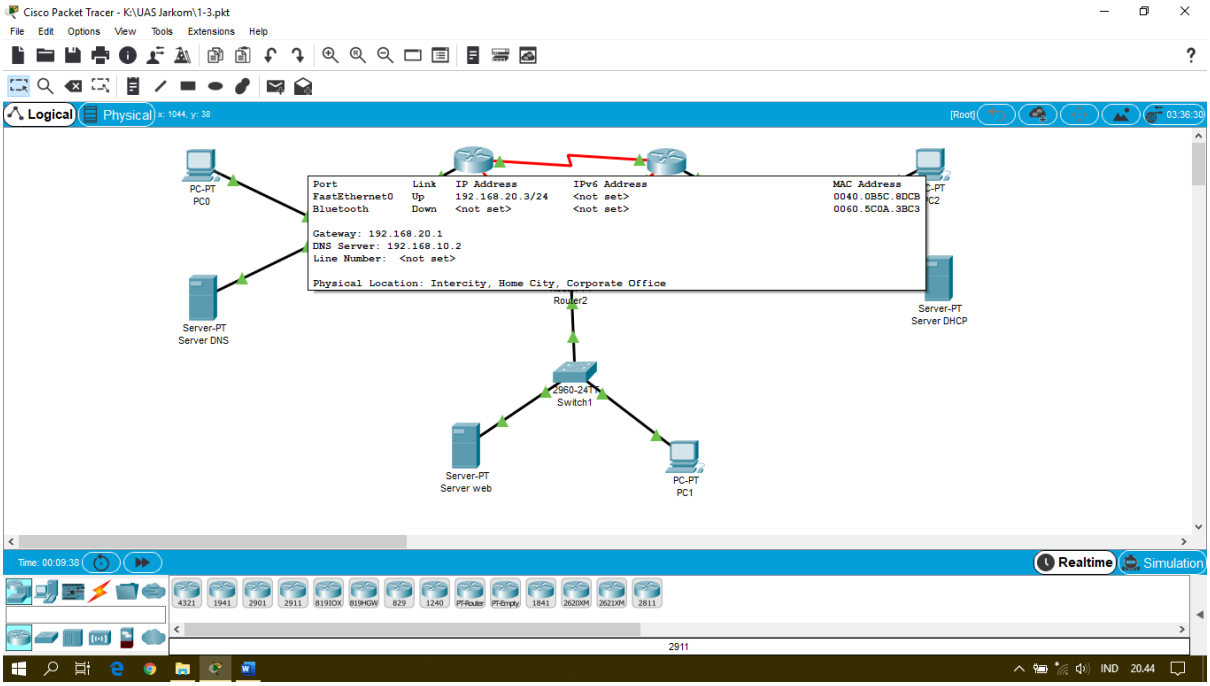
   # Pc0


Cisco Packet Tracer - K:\UAS Jarkom\1-3.pkt
File Edit Options View Tools Extensions Help
Logical Physical
Port Link IP Address IPv6 Address MAC Address
FastEthernet0 Up 192.168.10.3/24 <not set> 0001.43C1.221E
Bluetooth Down <not set> <not set> 0001.C92D.BAA4
Gateway: 192.168.10.1
DNS Server: 192.168.10.2
Line Number: <not set>
Physical Location: Intercity, Home City, Corporate Office
PC-PT PC2
Server-PT Server DHCP
Server-PT Server DNS
Router-PT Router2
2960-24TT Switch1
Server-PT Server web
PC-PT PC1
Realtime Simulation
2911

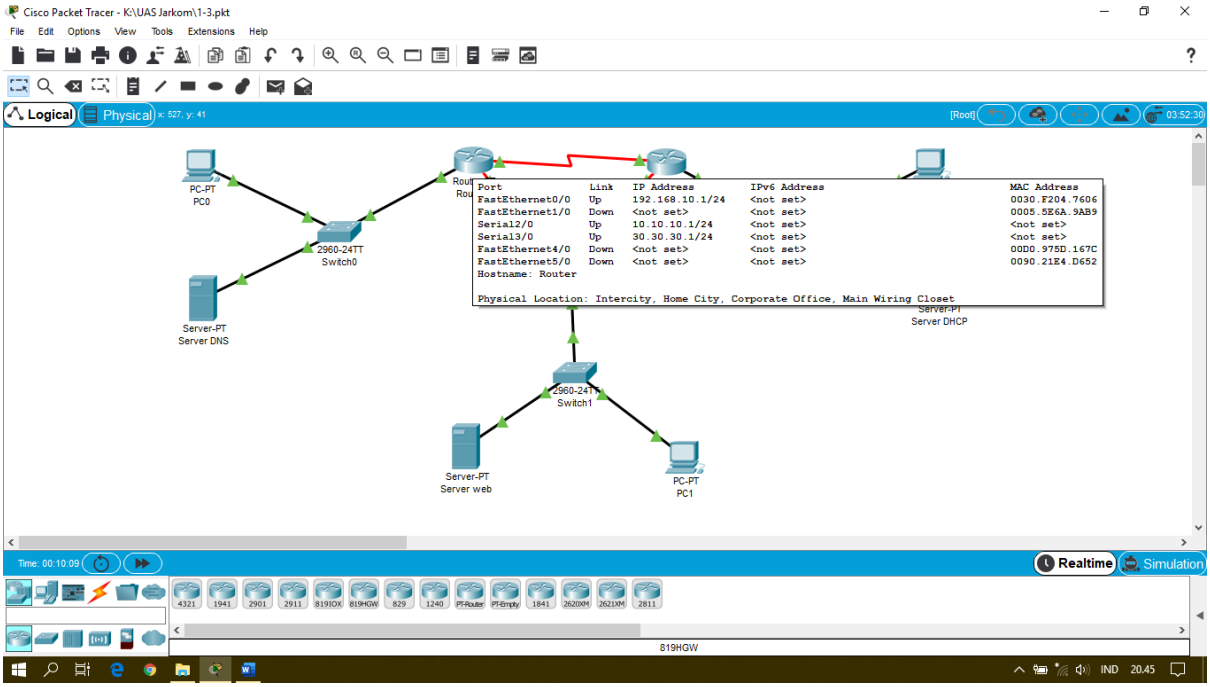
Pc1


Cisco Packet Tracer - K:\UAS Jarkom\1-3.pkt
File Edit Options View Tools Extensions Help
Logical Physical
PC-PT PC0
Router-PT Router0
Router-PT Router1
PC-PT PC2
2960-24TT Switch0
2960-24TT Switch2
Router-PT Router2
Server-PT Server DHCP
Server-PT Server DNS
2960-24TT Switch1
PC-PT PC1
Port Link IP Address IPv6 Address MAC Address
FastEthernet0 Up 192.168.30.3/24 <not set> 00D0.5801.DC02
Bluetooth Down <not set> <not set> 0001.9670.1CA1
Gateway: 192.168.30.1
DNS Server: 192.168.10.2
Line Number: <not set>
Physical Location: Intercity, Home City, Corporate Office
Realtime Simulation
CGR1240

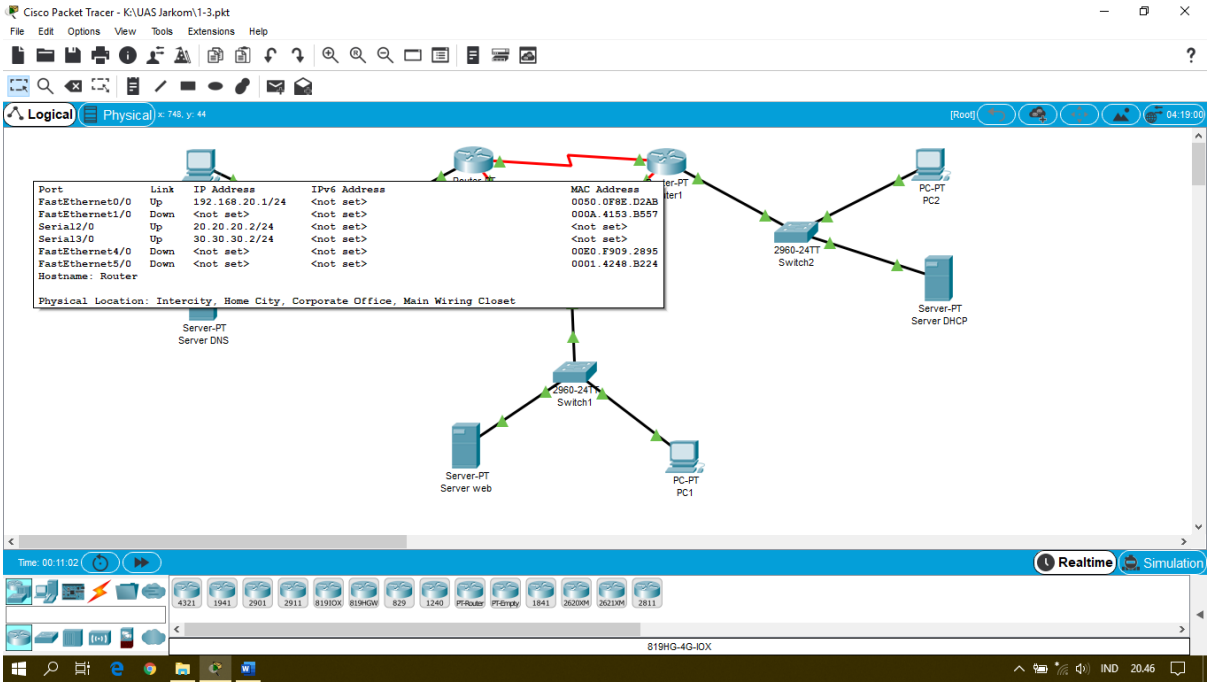
Pc2



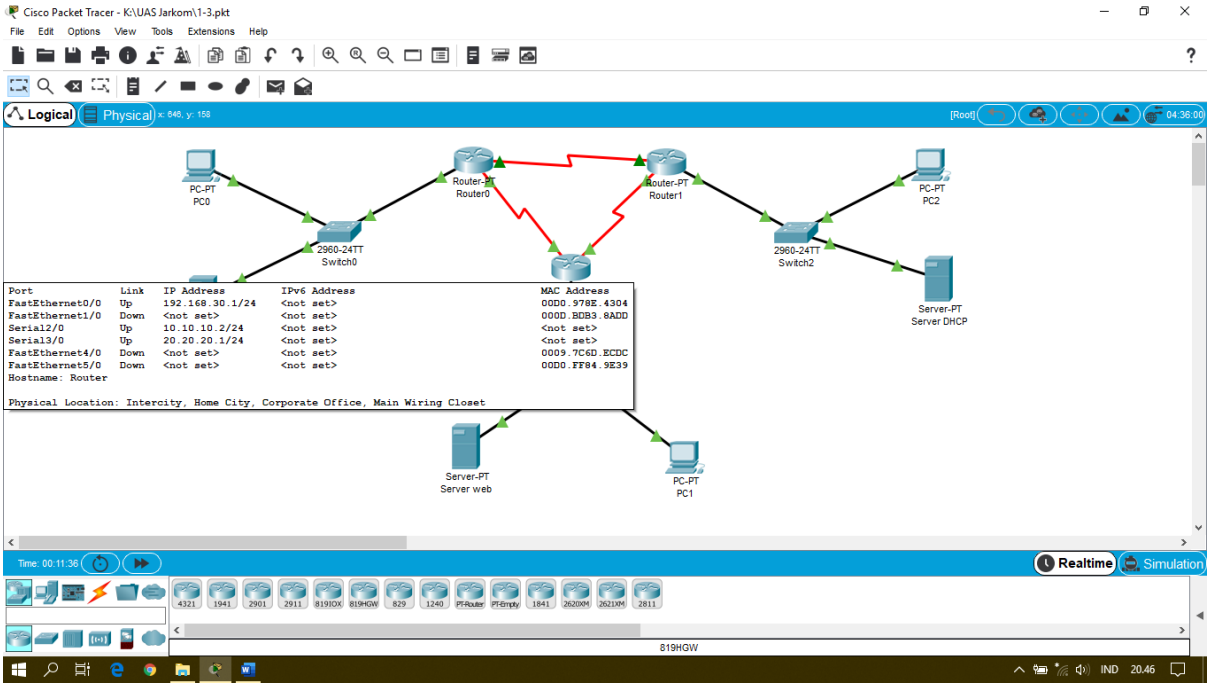
Router0



Router1

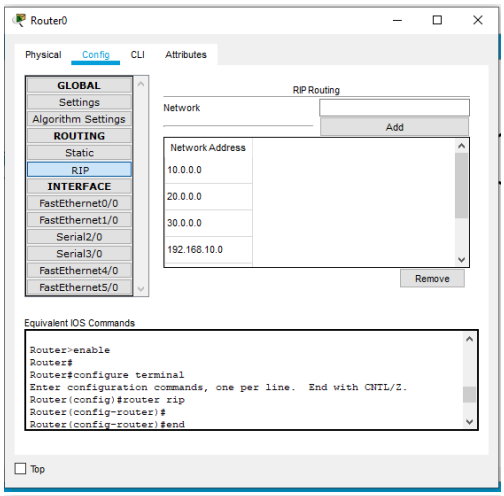


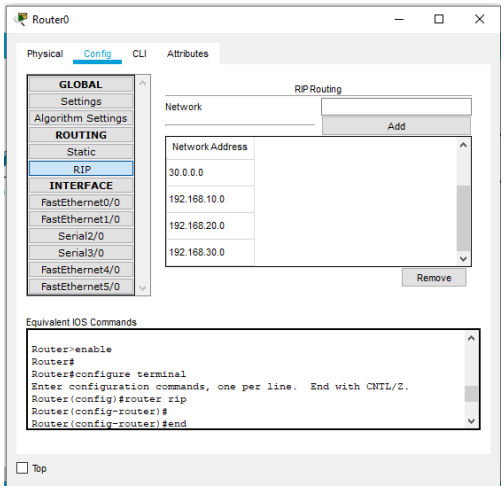
Router2



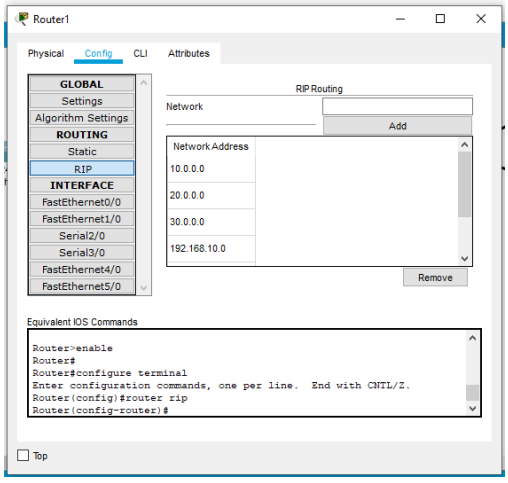
3. **Lakukan konfigurasi routing dinamis menggunakan protocol routing RIP pada 3 router tersebut**

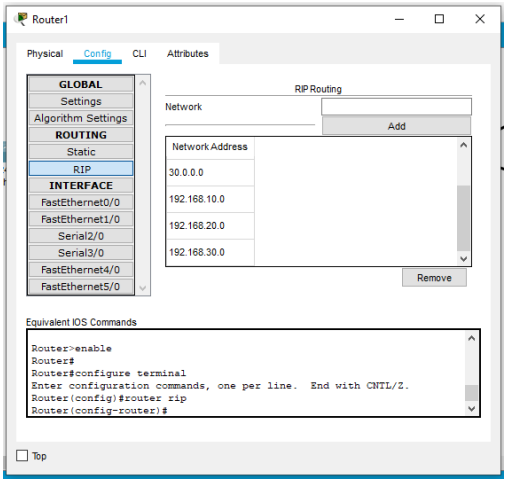
RIP Router0



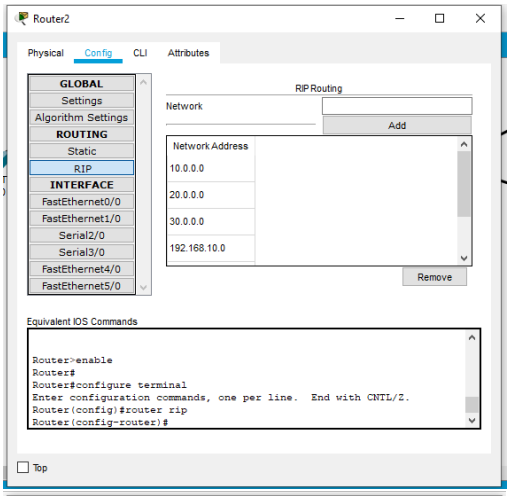


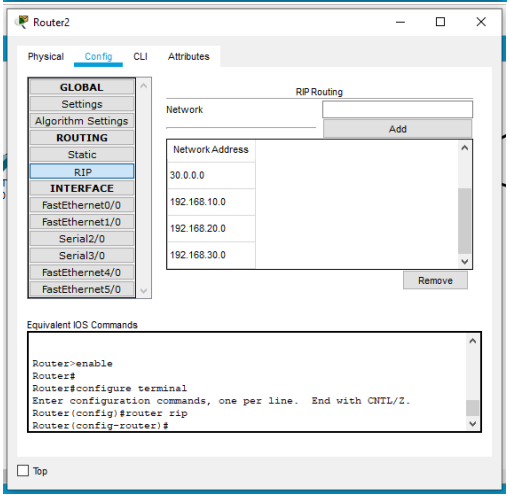
RIP Router1




Router1
Physical
Config
CLI
Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet1/0
Serial2/0
Serial3/0
FastEthernet4/0
FastEthernet5/0
RIP Routing
Network
Add
Network Address
30.0.0.0
192.168.10.0
192.168.20.0
192.168.30.0
Remove
Equivalent IOS Commands
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
Top

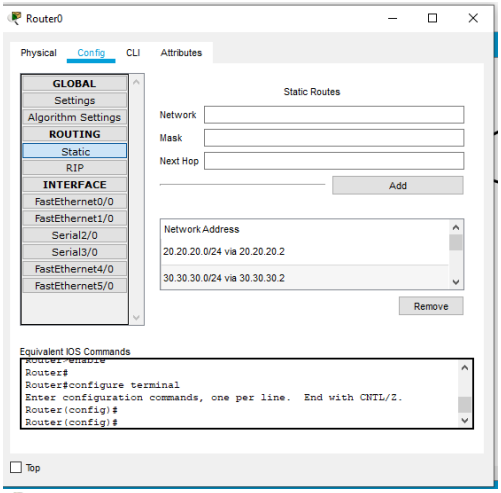
RIP Router2

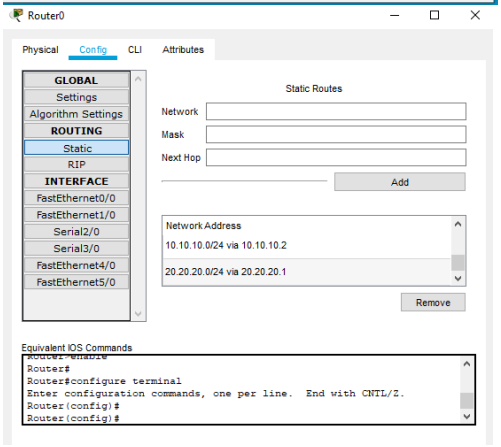

Router2
Physical
Config
CLI
Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet1/0
Serial2/0
Serial3/0
FastEthernet4/0
FastEthernet5/0
RIP Routing
Network
Add
Network Address
10.0.0.0
20.0.0.0
30.0.0.0
192.168.10.0
Remove
Equivalent IOS Commands
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
Top


Router2
Physical
Config
CLI
Attributes
GLOBAL
Settings
Algorithm Settings
ROUTING
Static
RIP
INTERFACE
FastEthernet0/0
FastEthernet1/0
Serial2/0
Serial3/0
FastEthernet4/0
FastEthernet5/0
RIP Routing
Network
Add
Network Address
30.0.0.0
192.168.10.0
192.168.20.0
192.168.30.0
Remove
Equivalent IOS Commands
Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
Top

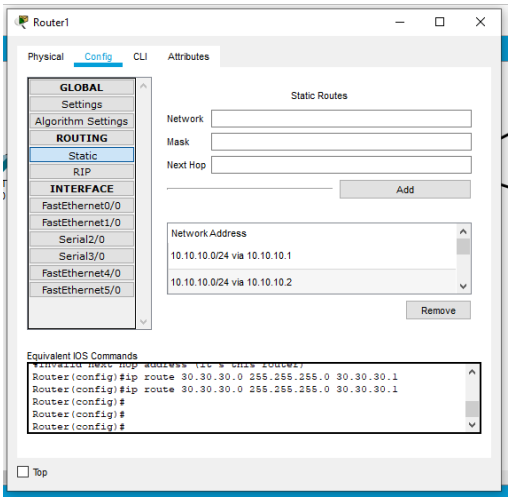
4. **Lakukan Uji koneksi untuk melihat konektivitas antar PC dan Lakukan konfigurasi routing statis pada 3 router tersebut**

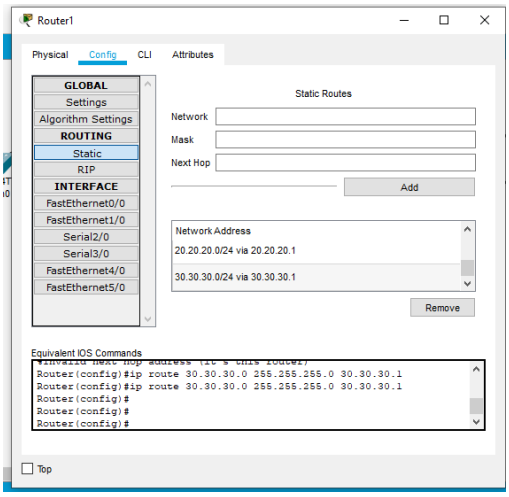
 # Konfigurasi Routing Statis Router0



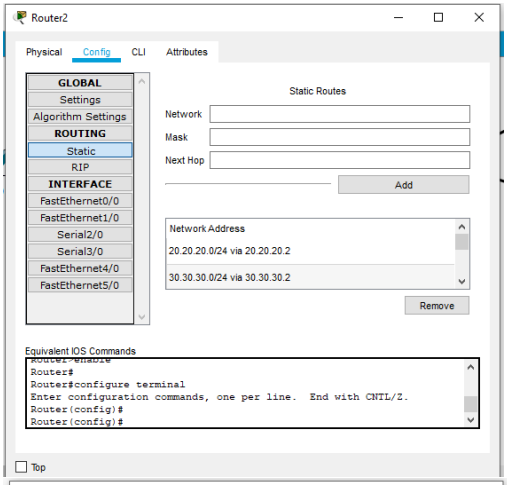


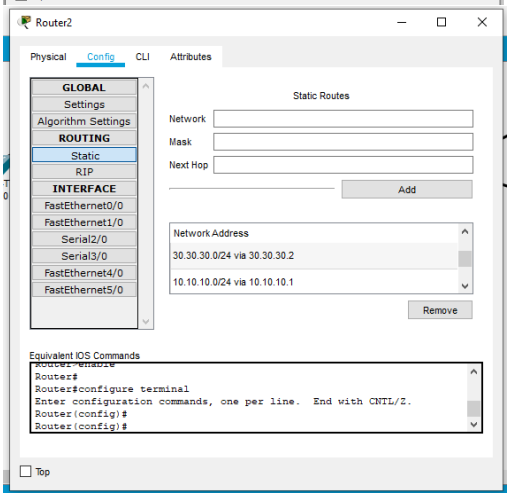
 # Konfigurasi Routing Statis Router1



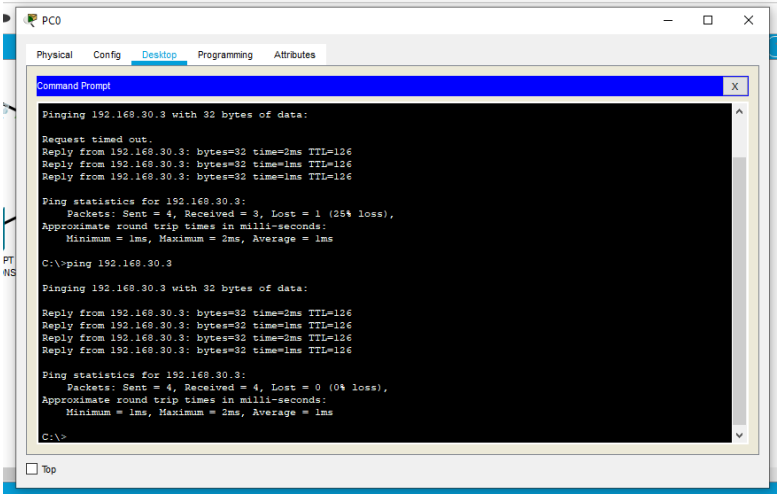


Konfigurasi Routing Statis Router2

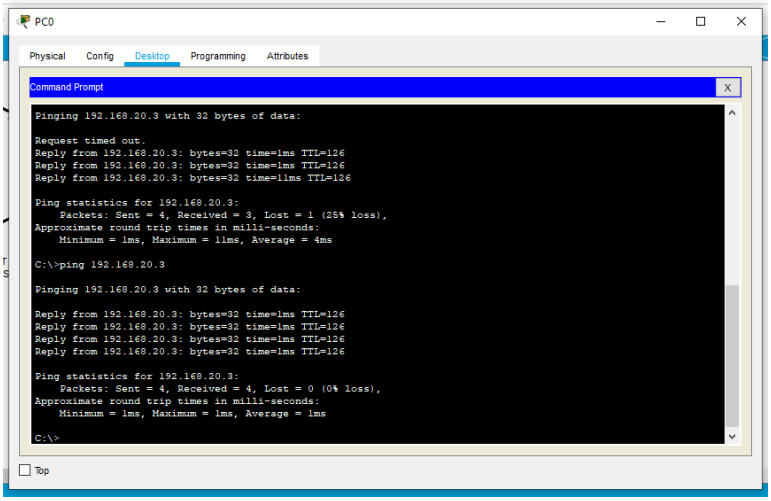




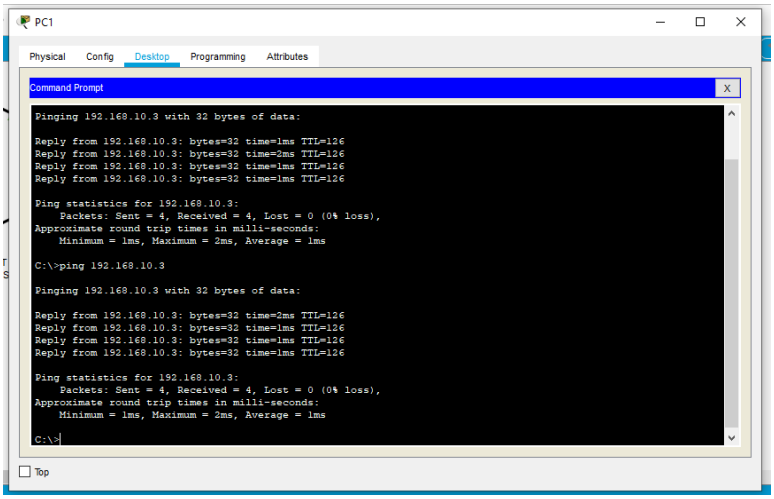
Ping dari Pc0=IP-192.168.10.3 Ke Pc1=IP-192.168.30.3



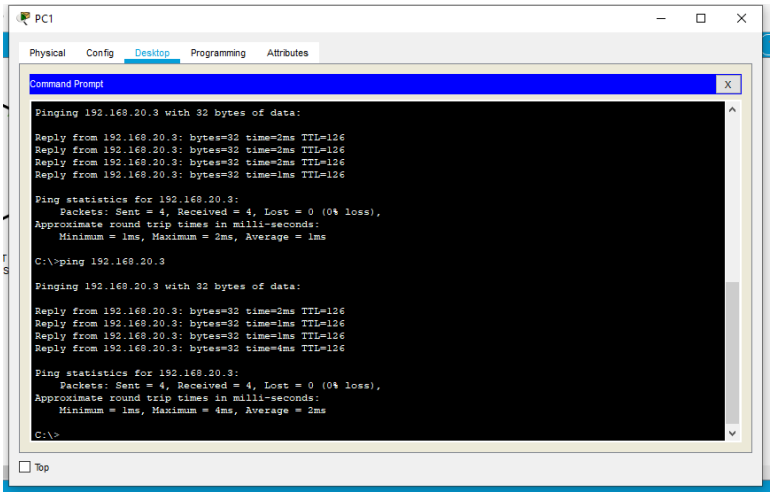
Ping dari Pc0=IP-192.168.10.3 Ke Pc2=IP-192.168.20.3



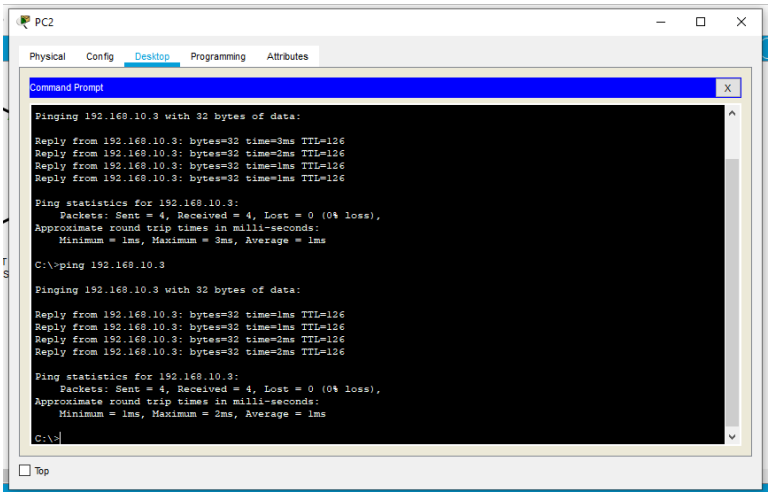
Ping dari Pc1=IP-192.168.30.3 Ke Pc0=IP-192.168.10.3



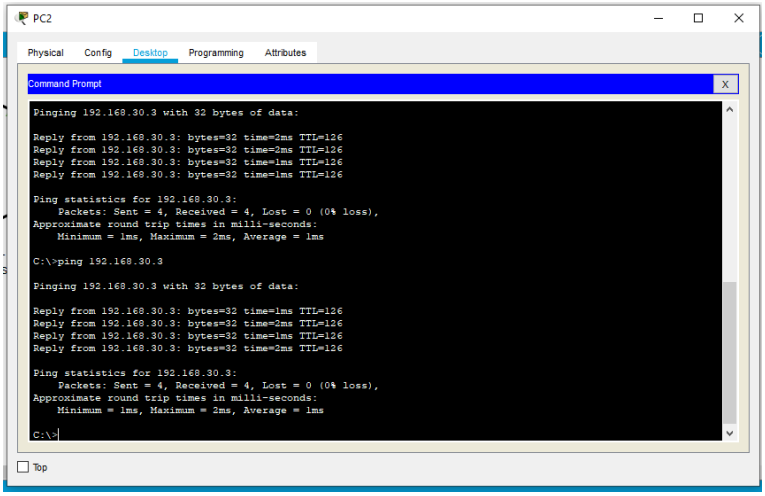
Ping dari Pc1=IP-192.168.30.3 Ke Pc2=IP-192.168.20.3



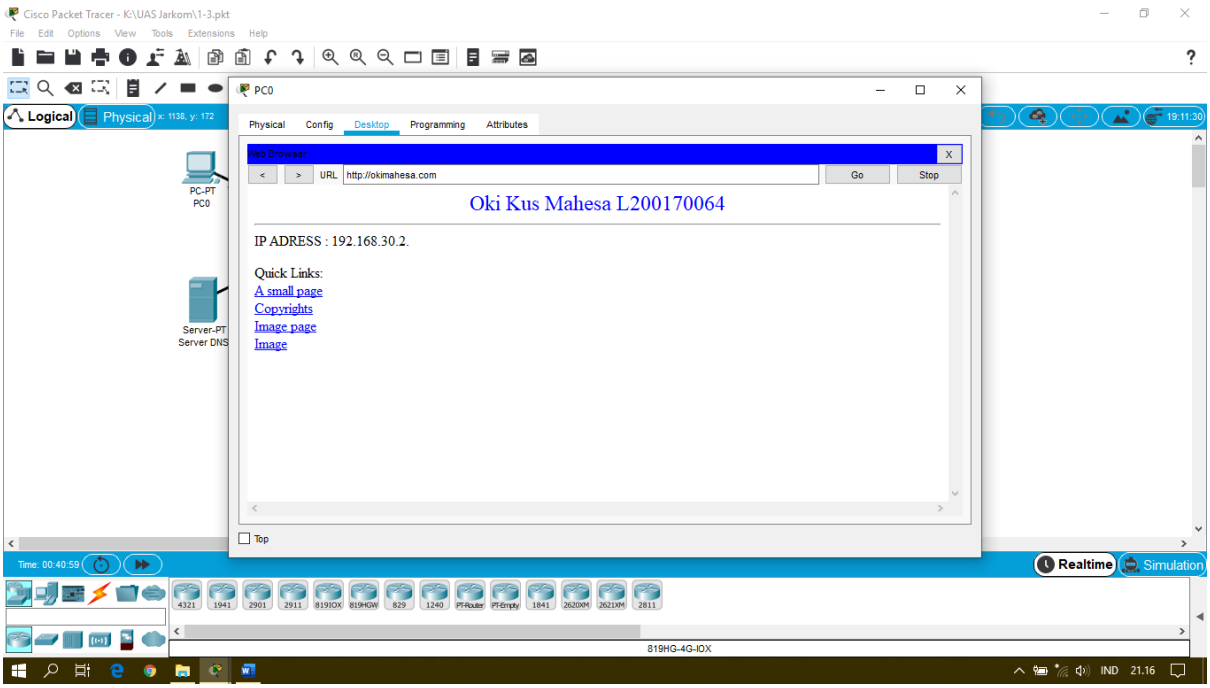
Ping dari Pc2=IP-192.168.20.3 Ke Pc0=IP-192.168.10.3



Ping dari Pc2=IP-192.168.20.3 Ke Pc1=IP-192.168.30.3

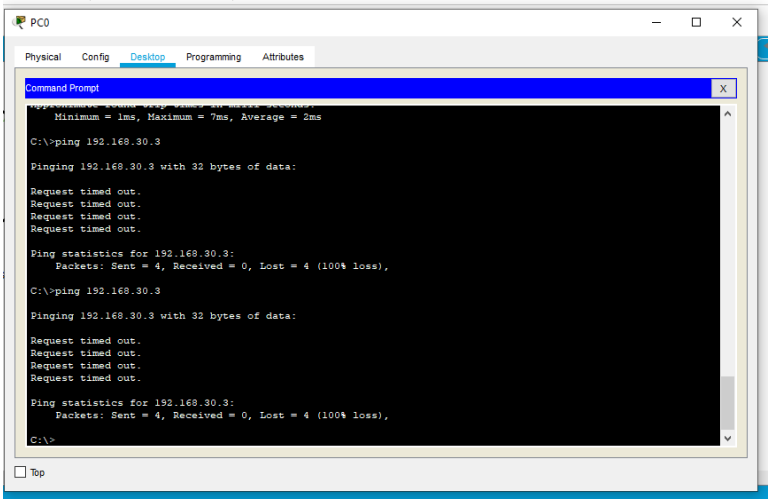


Meminta Layanan Ke Server

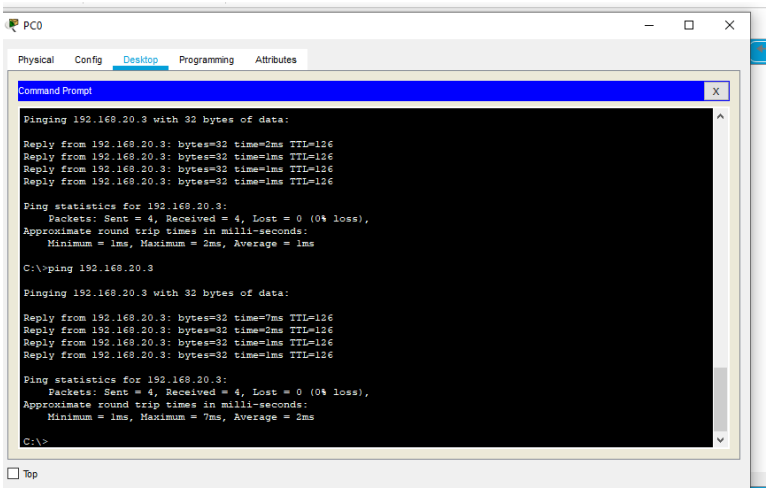


5. **Menggunakan Acces list, batasi hanya pc 2 saja yang bisa mengakses server dhcp!**

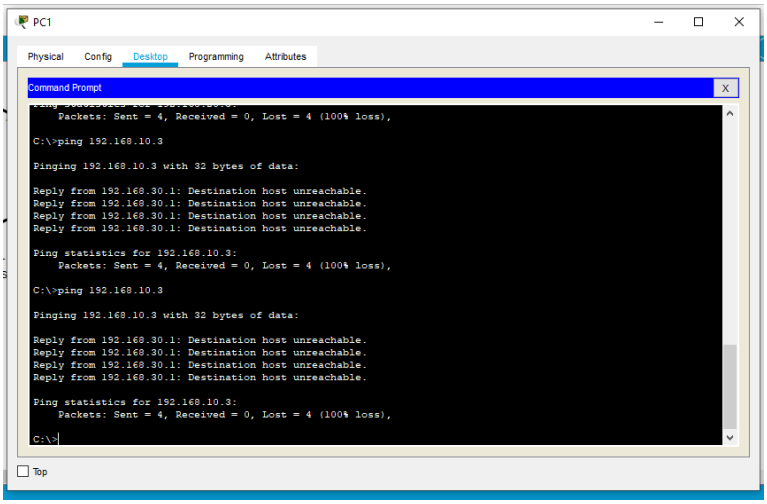
 # Ping dari Pc0=IP-192.168.10.3 Ke Pc1=IP-192.168.30.3



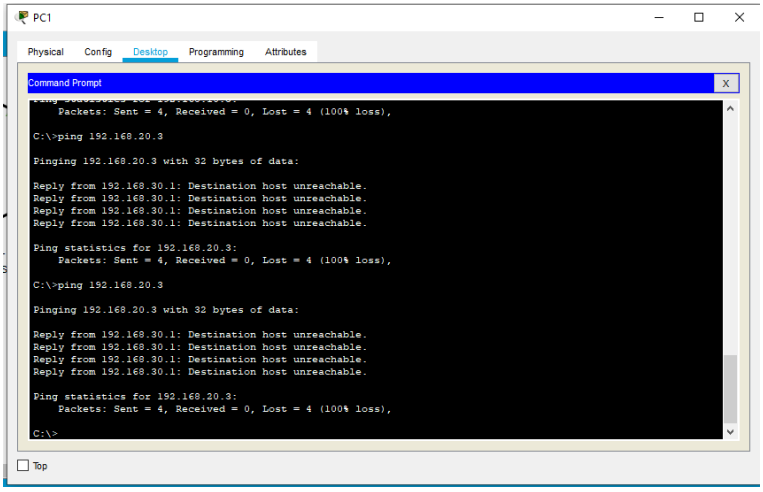
 # Ping dari Pc0=IP-192.168.10.3 Ke Pc2=IP-192.168.20.3



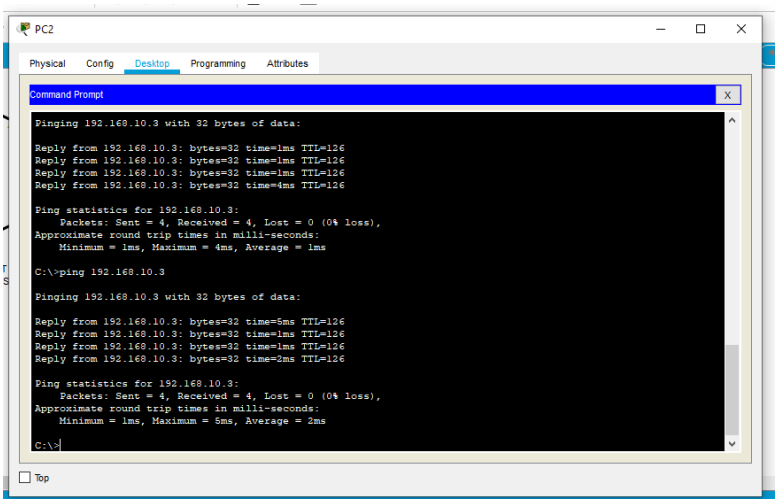
Ping dari Pc1=IP-192.168.30.3 Ke Pc0=IP-192.168.10.3



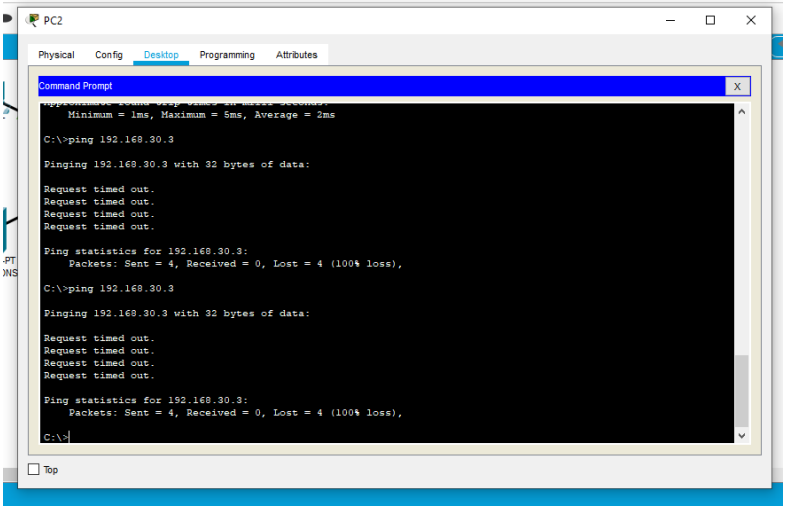
Ping dari Pc1=IP-192.168.30.3 Ke Pc2=IP-192.168.20.3



Ping dari Pc2=IP-192.168.20.3 Ke Pc0=IP-192.168.10.3

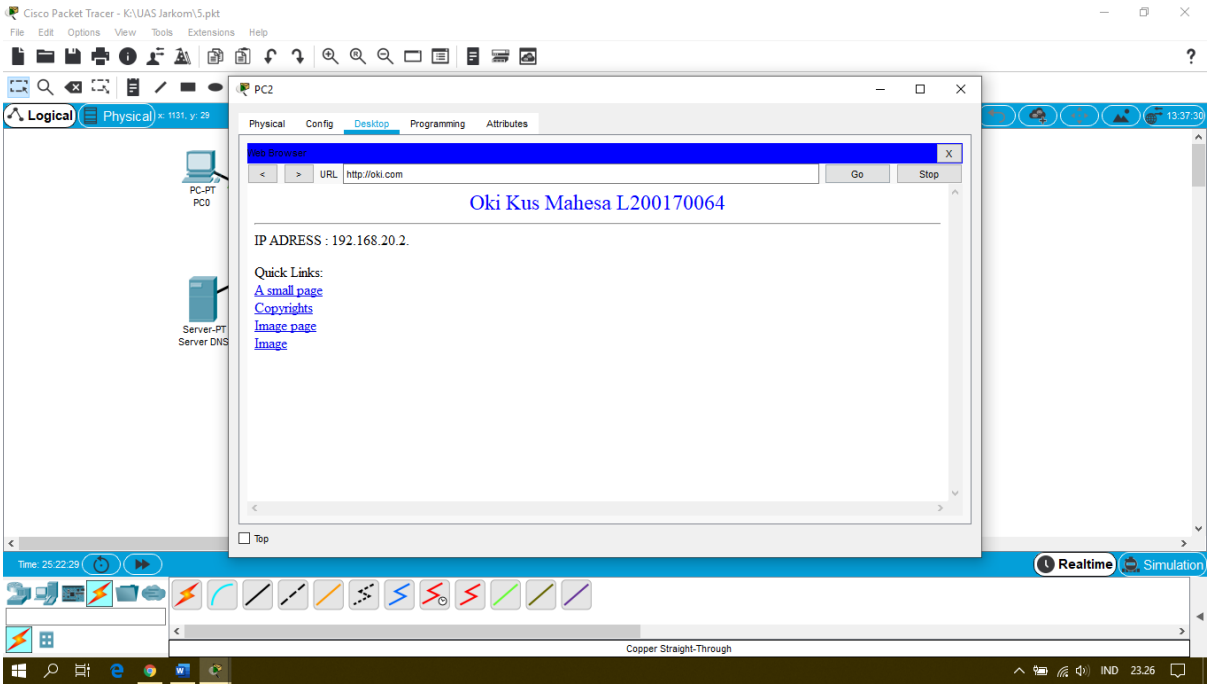


Ping dari Pc2=IP-192.168.20.3 Ke Pc1=IP-192.168.30.3

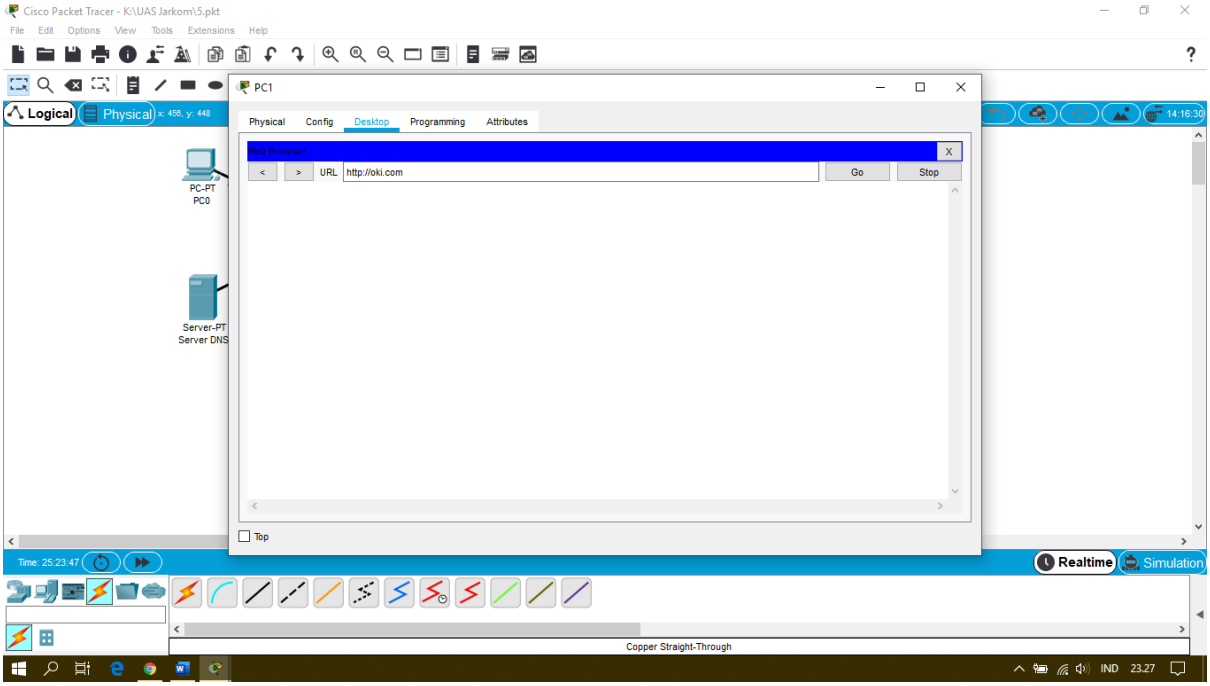


Hanya Server 2 Yang Bisa Akses Server DHCP

@ Test Pc2 Ke Server DHCP



@ Test Pc1 Ke Server DHCP



`Tidak muncul apa apa karena di access-list