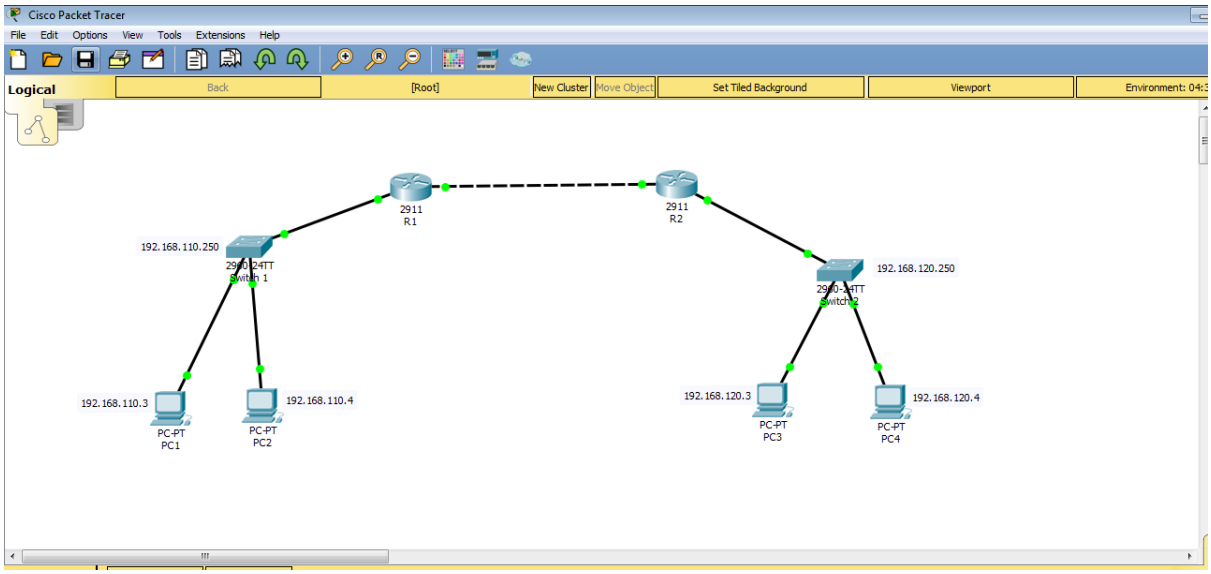
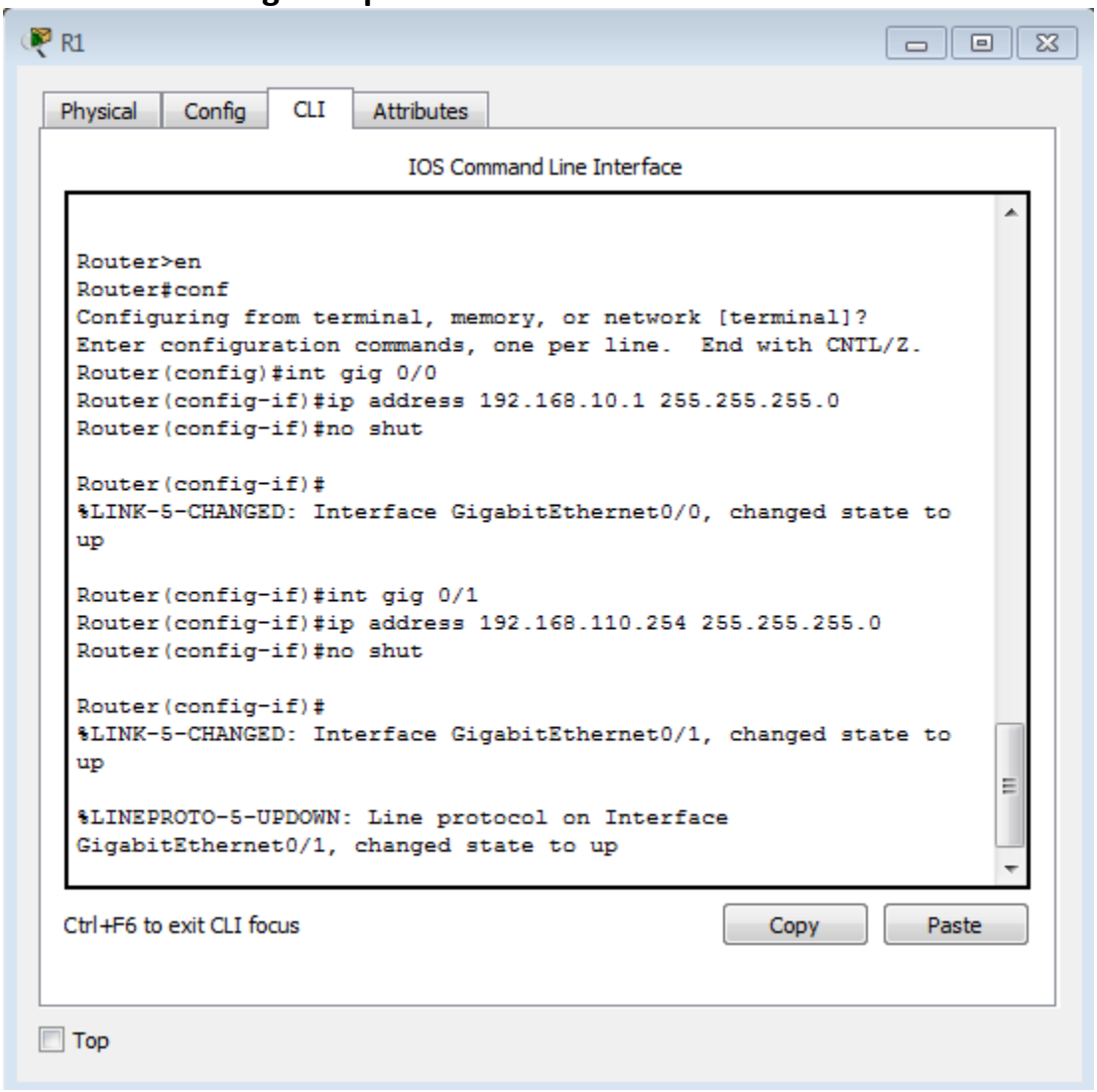
Name : Shidqi Aditya Falah
NIM : L202173001
Class : X

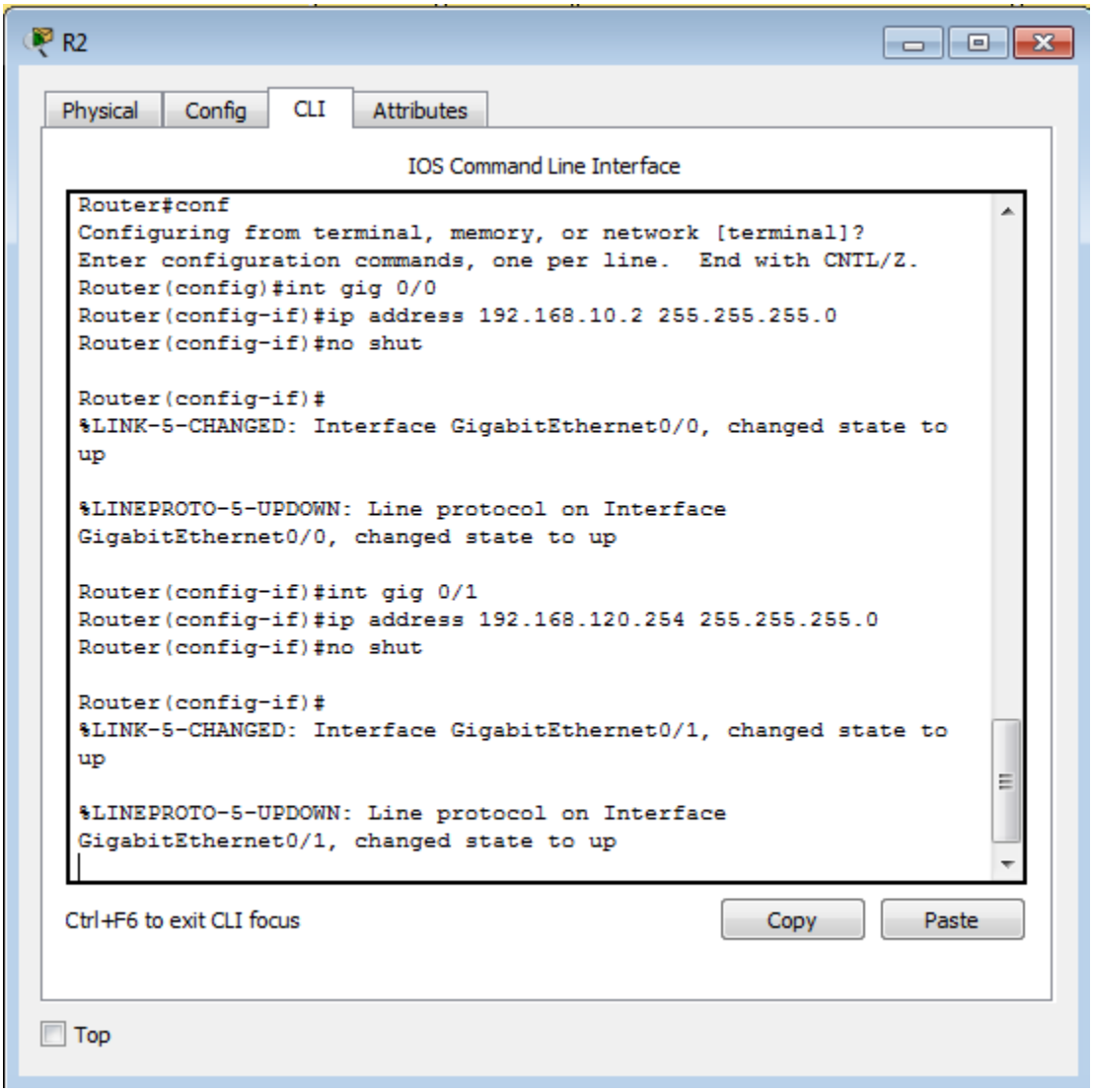
Modul 8



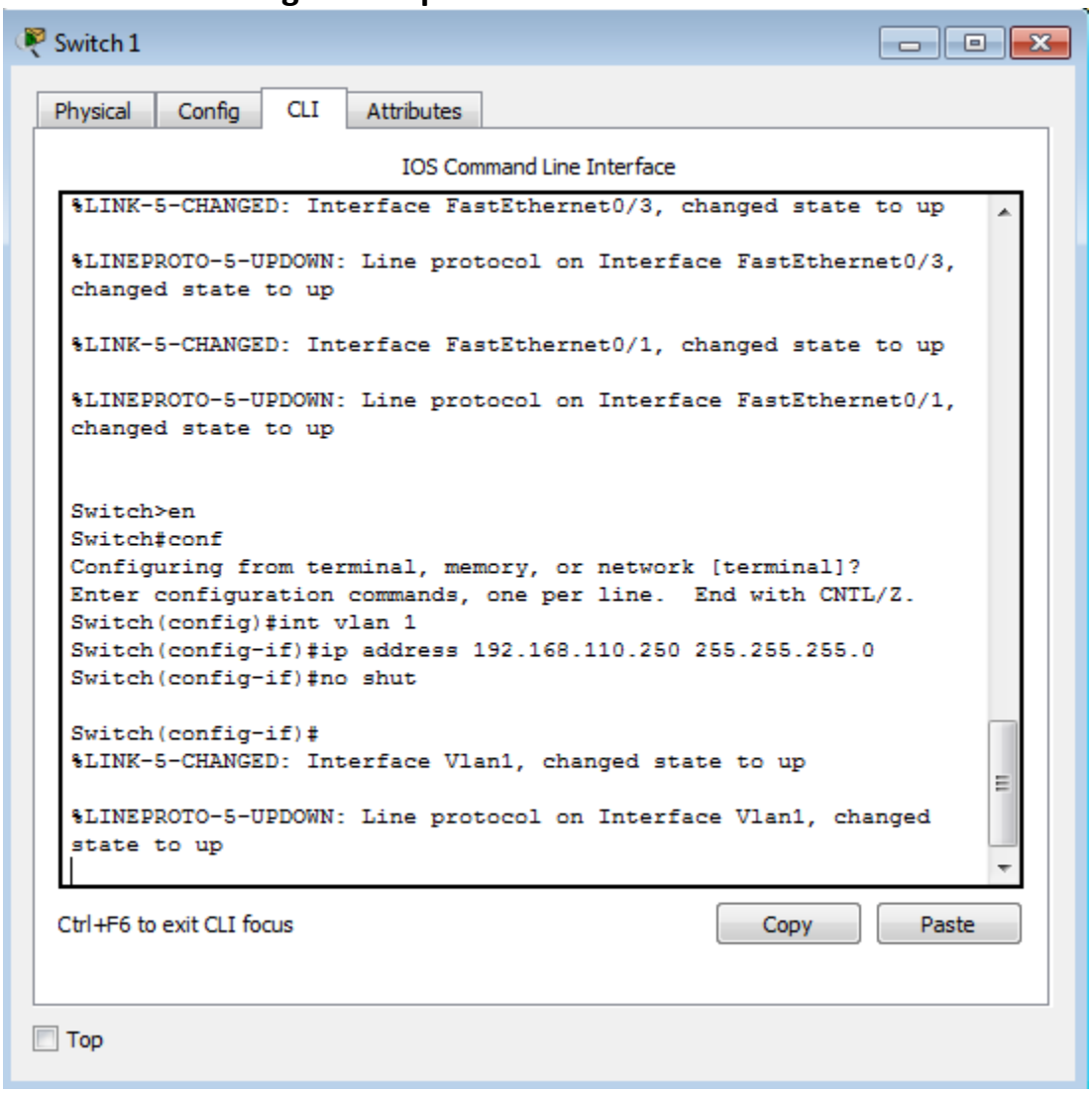
Kegiatan 1:

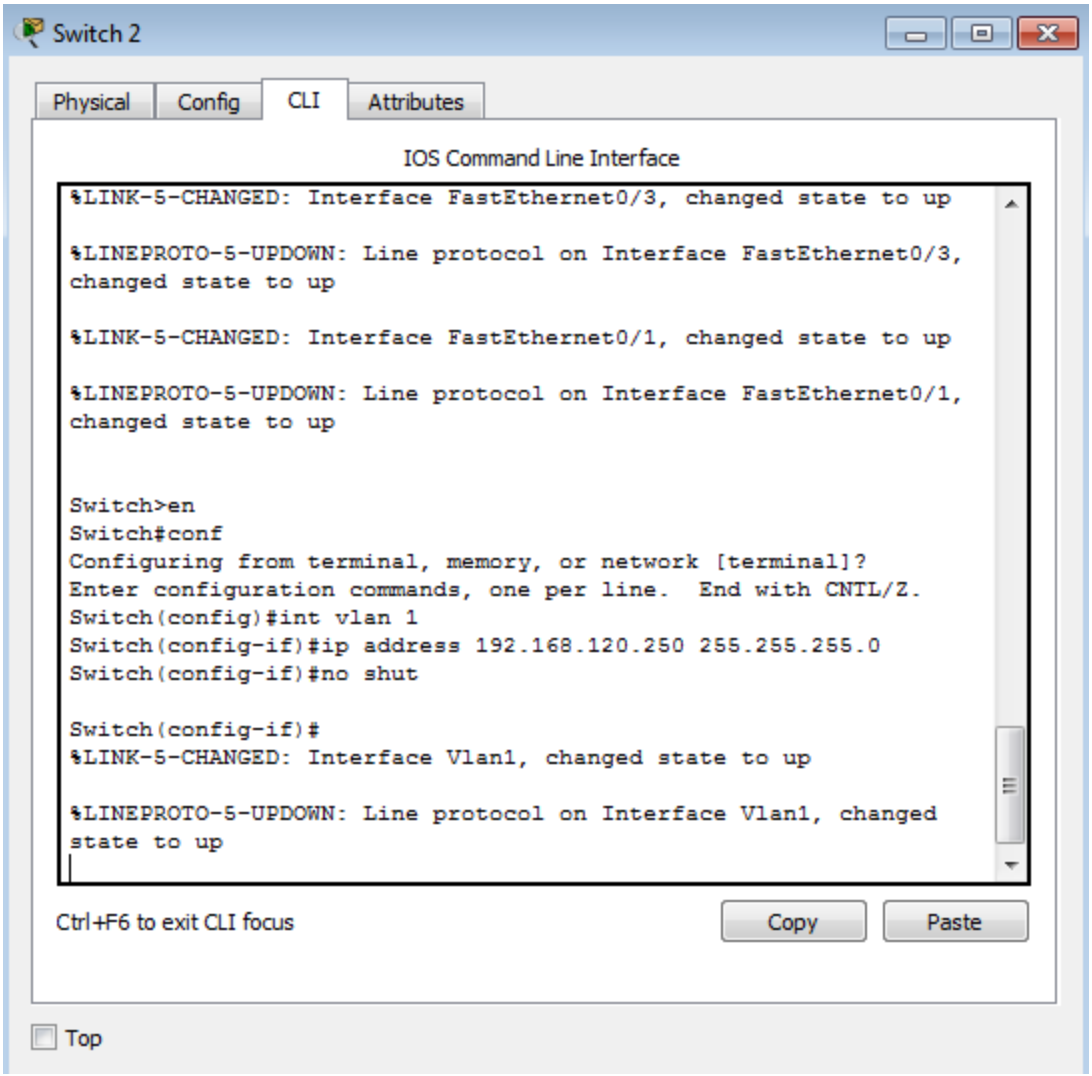
1. **Melakukan konfigurasi pada Router1 dan Router2**



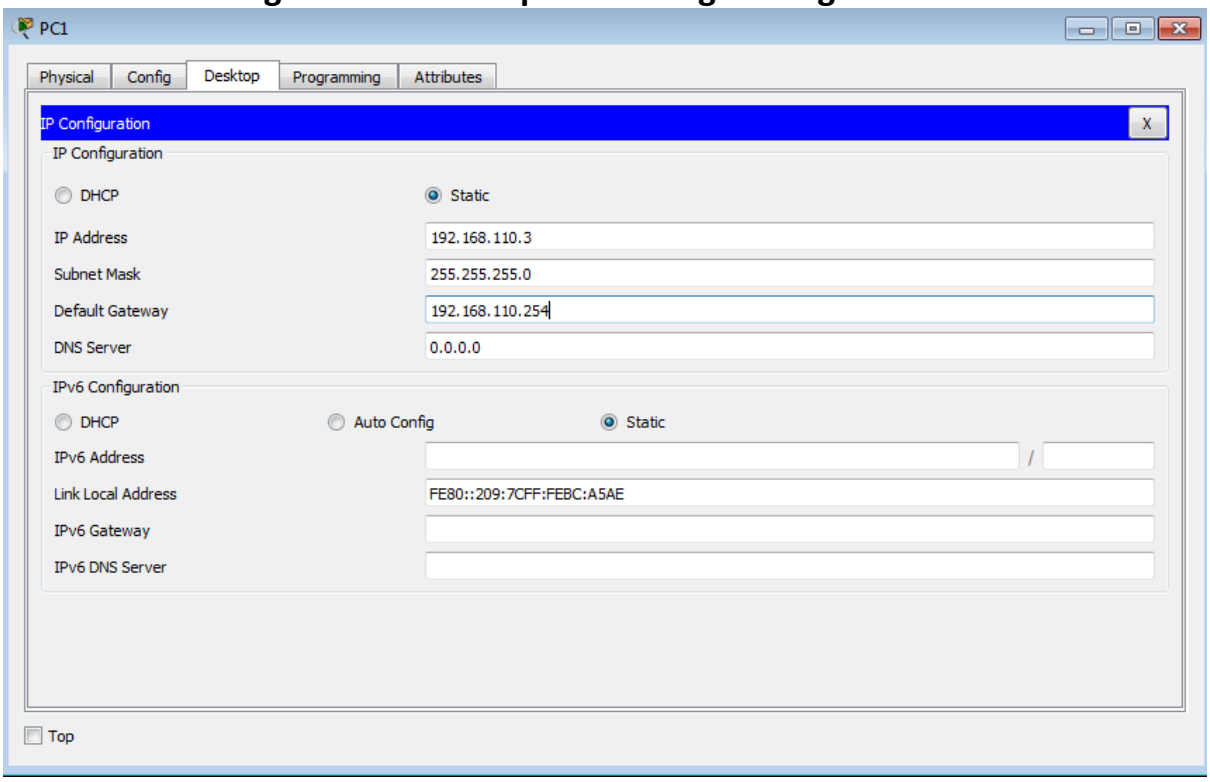

R2
Physical
Config
CLI
Attributes
IOS Command Line Interface
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int gig 0/0
Router(config-if)#ip address 192.168.10.2 255.255.255.0
Router(config-if)#no shut
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0, changed state to up
Router(config-if)#int gig 0/1
Router(config-if)#ip address 192.168.120.254 255.255.255.0
Router(config-if)#no shut
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed state to up
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

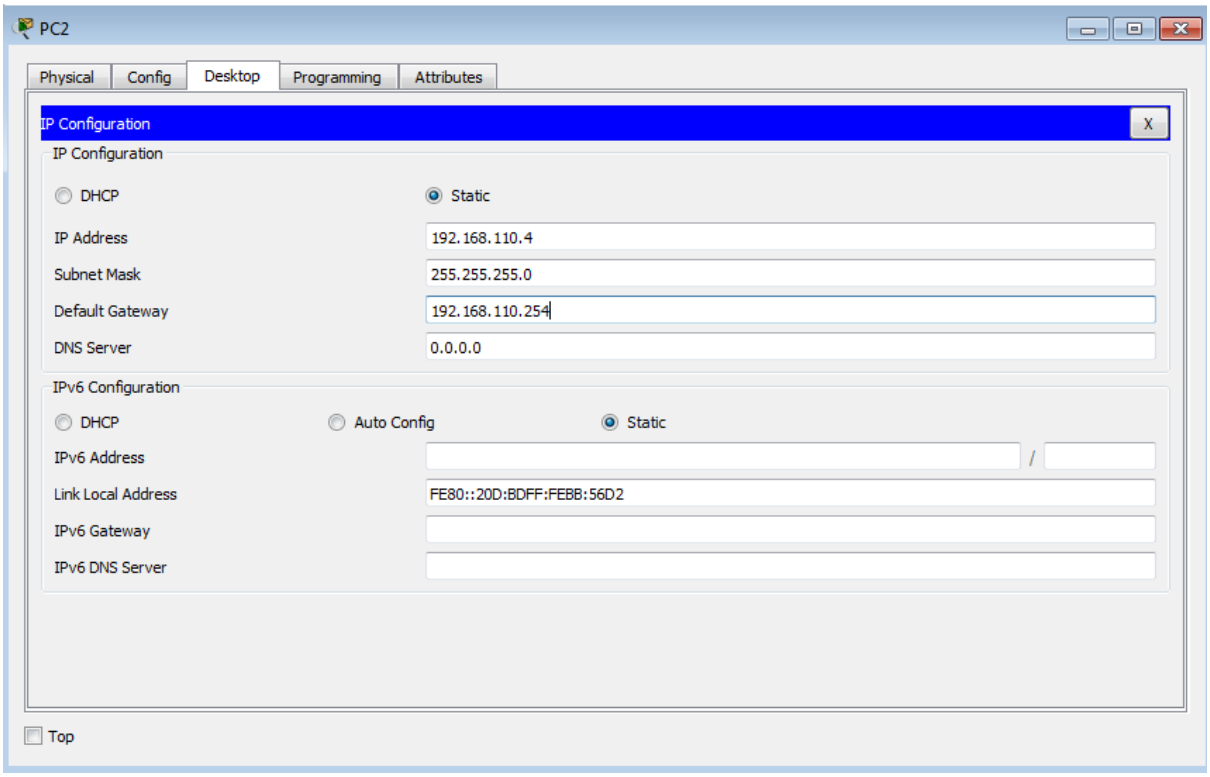
2. Melakukuan konfigurasi IP pada Swicth1 dan Swicth2

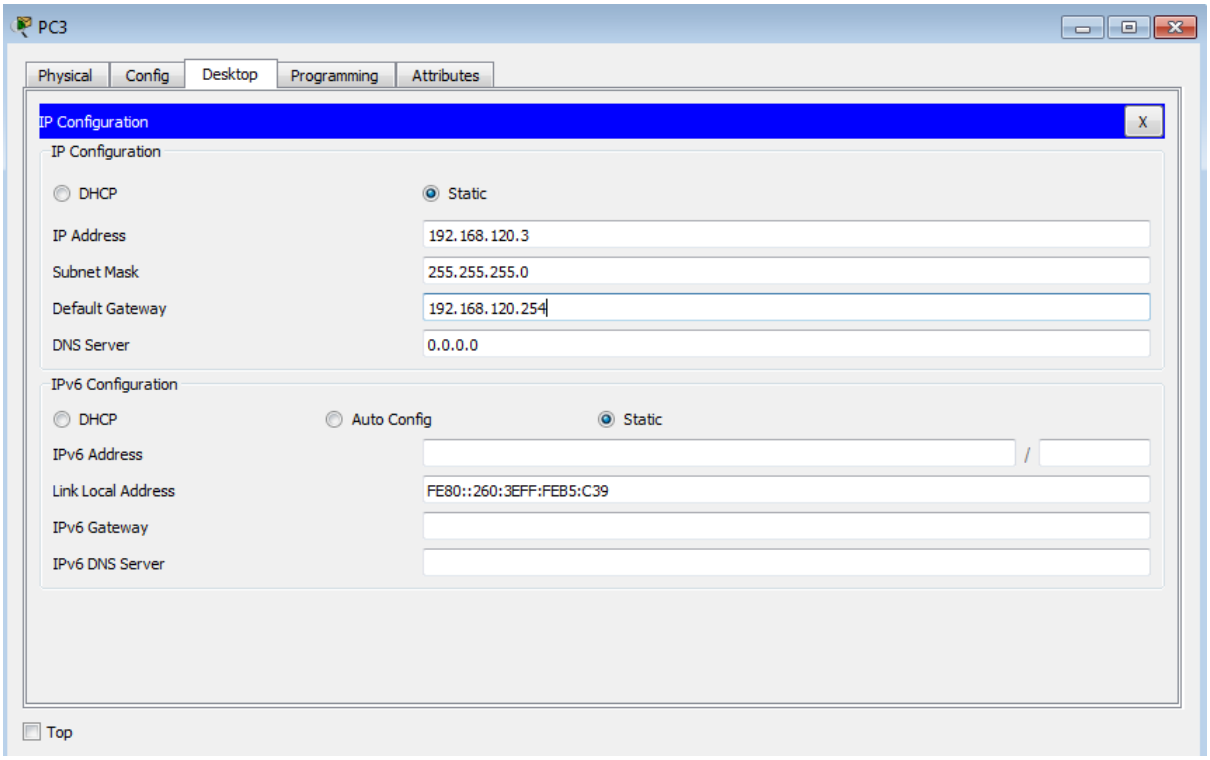


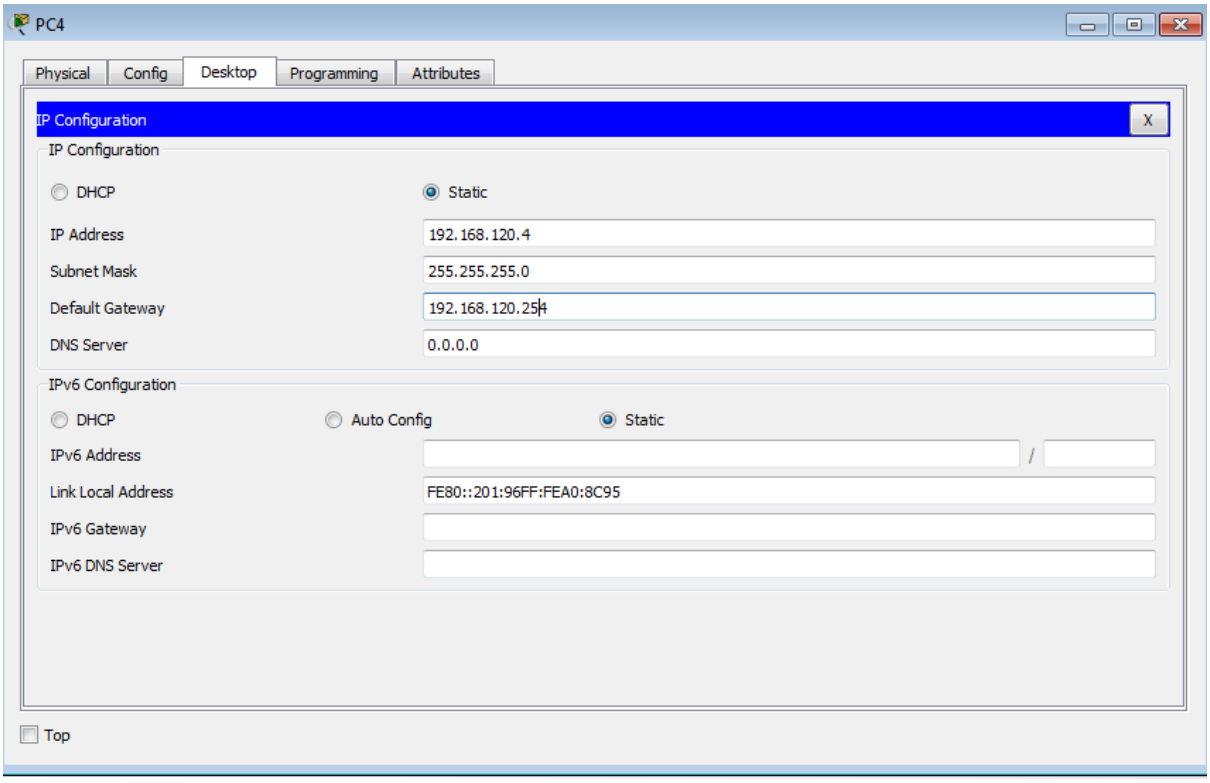

Switch 2
Physical
Config
CLI
Attributes
IOS Command Line Interface
%LINK-5-CHANGED: Interface FastEthernet0/3, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/3, changed state to up
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
Switch>en
Switch#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#int vlan 1
Switch(config-if)#ip address 192.168.120.250 255.255.255.0
Switch(config-if)#no shut
Switch(config-if)#
%LINK-5-CHANGED: Interface Vlan1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1, changed state to up
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

3. Melakukan konfigurasi alamat IP pada masing masing PC

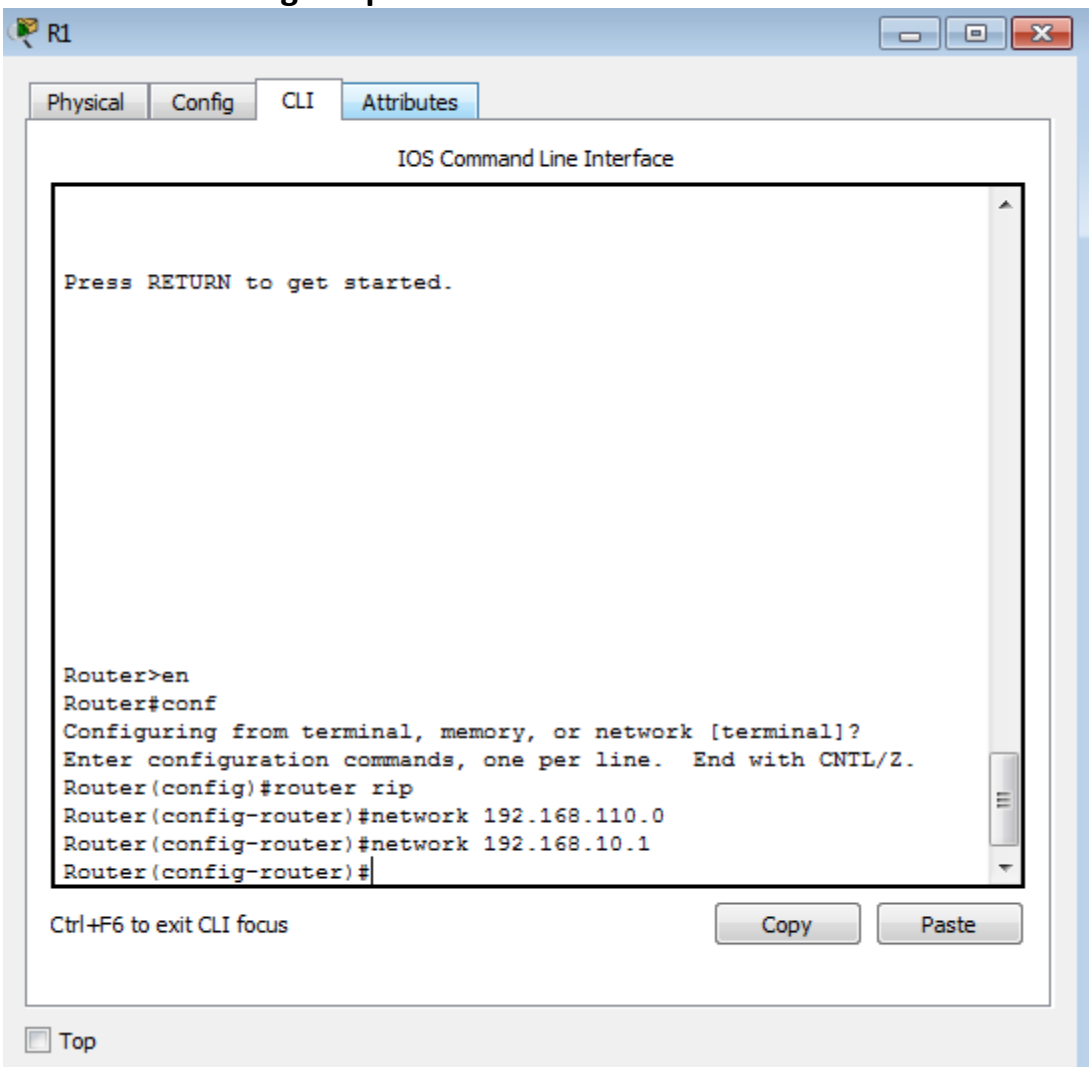


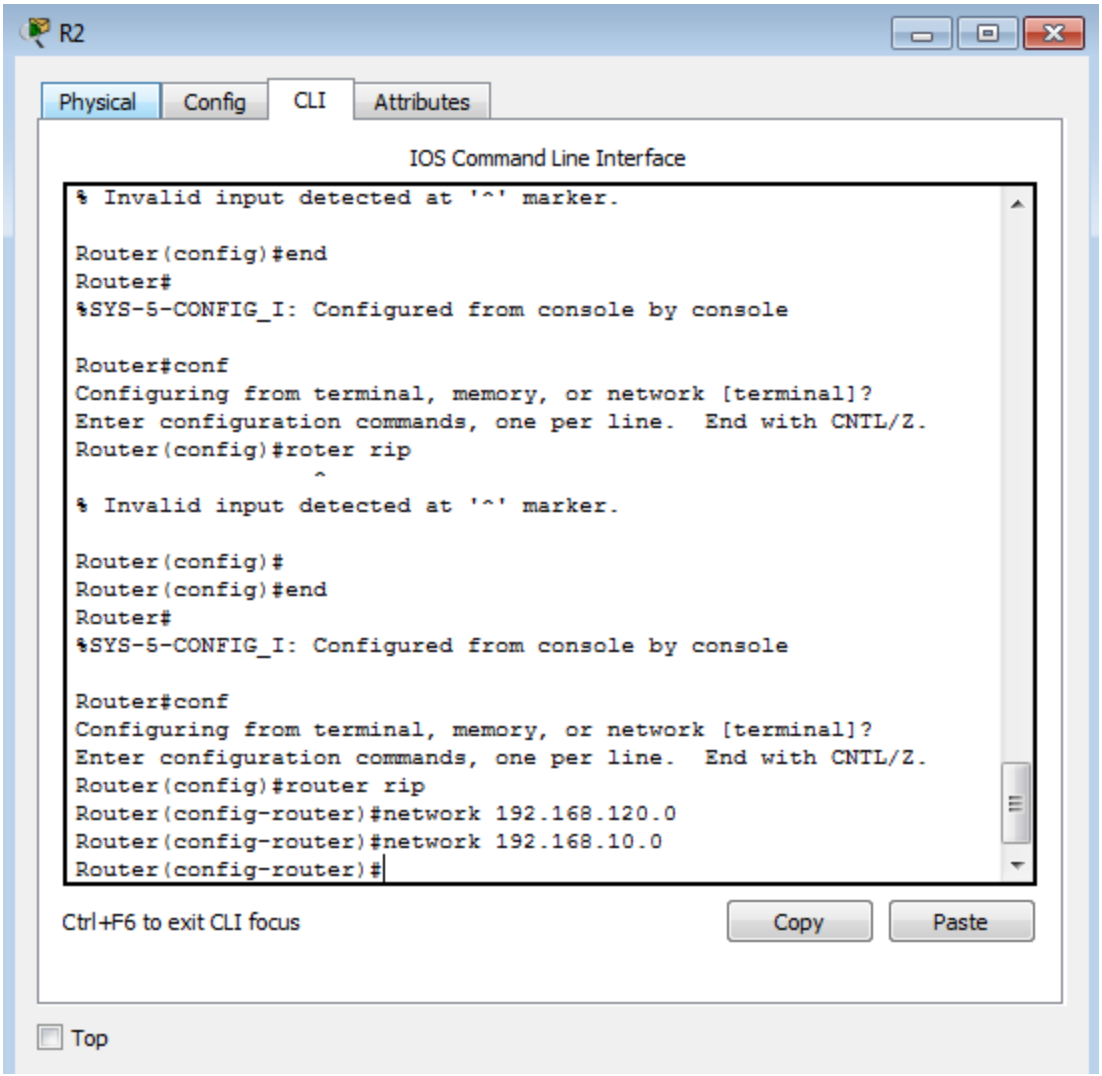



PC3
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
IP Configuration
DHCP
Static
IP Address
192.168.120.3
Subnet Mask
255.255.255.0
Default Gateway
192.168.120.254
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::260:3EFF:FEB5:C39
IPv6 Gateway
IPv6 DNS Server
Top

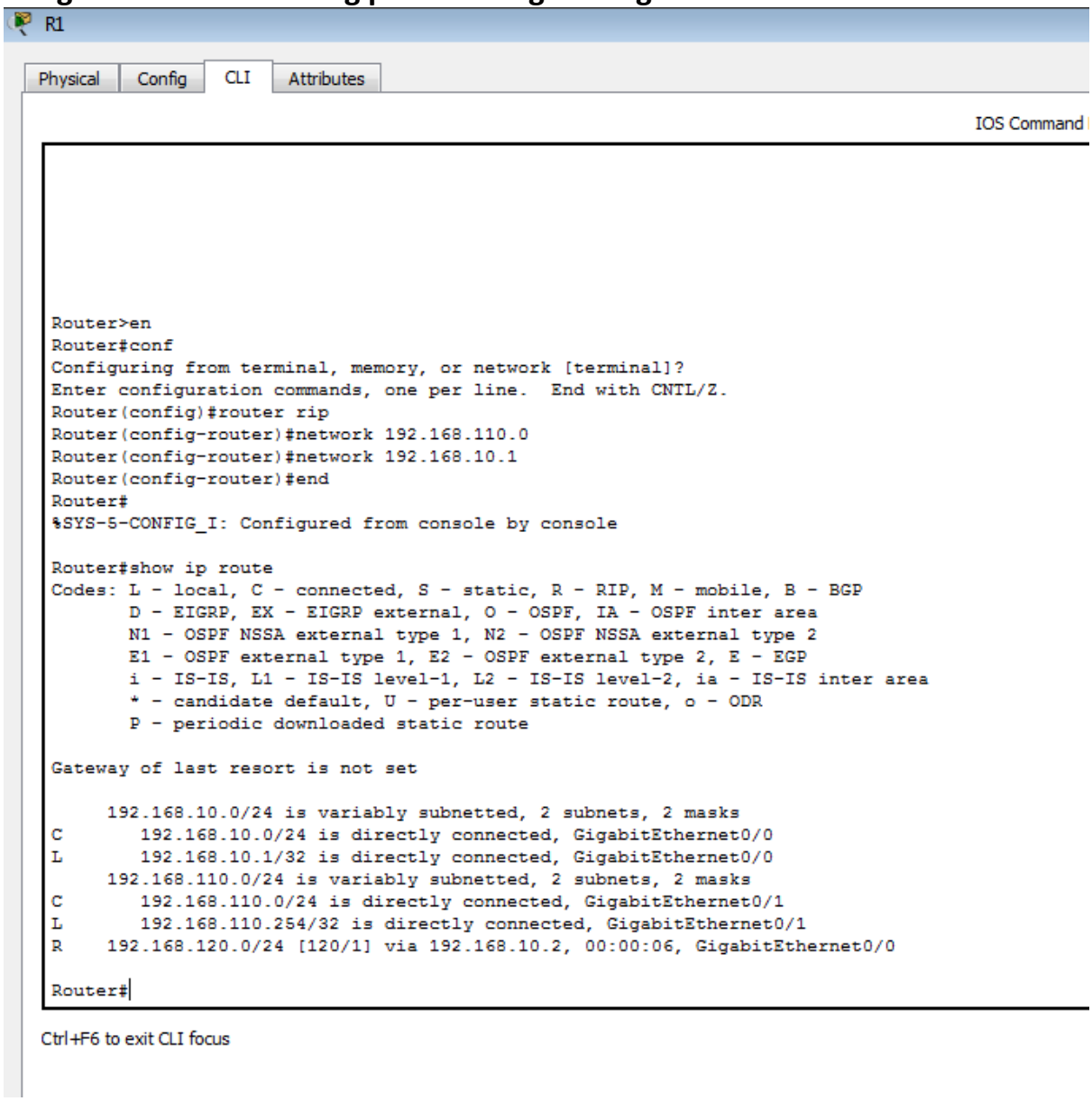

PC4
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
IP Configuration
DHCP
Static
IP Address
192.168.120.4
Subnet Mask
255.255.255.0
Default Gateway
192.168.120.254
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::201:96FF:FEA0:8C95
IPv6 Gateway
IPv6 DNS Server
Top

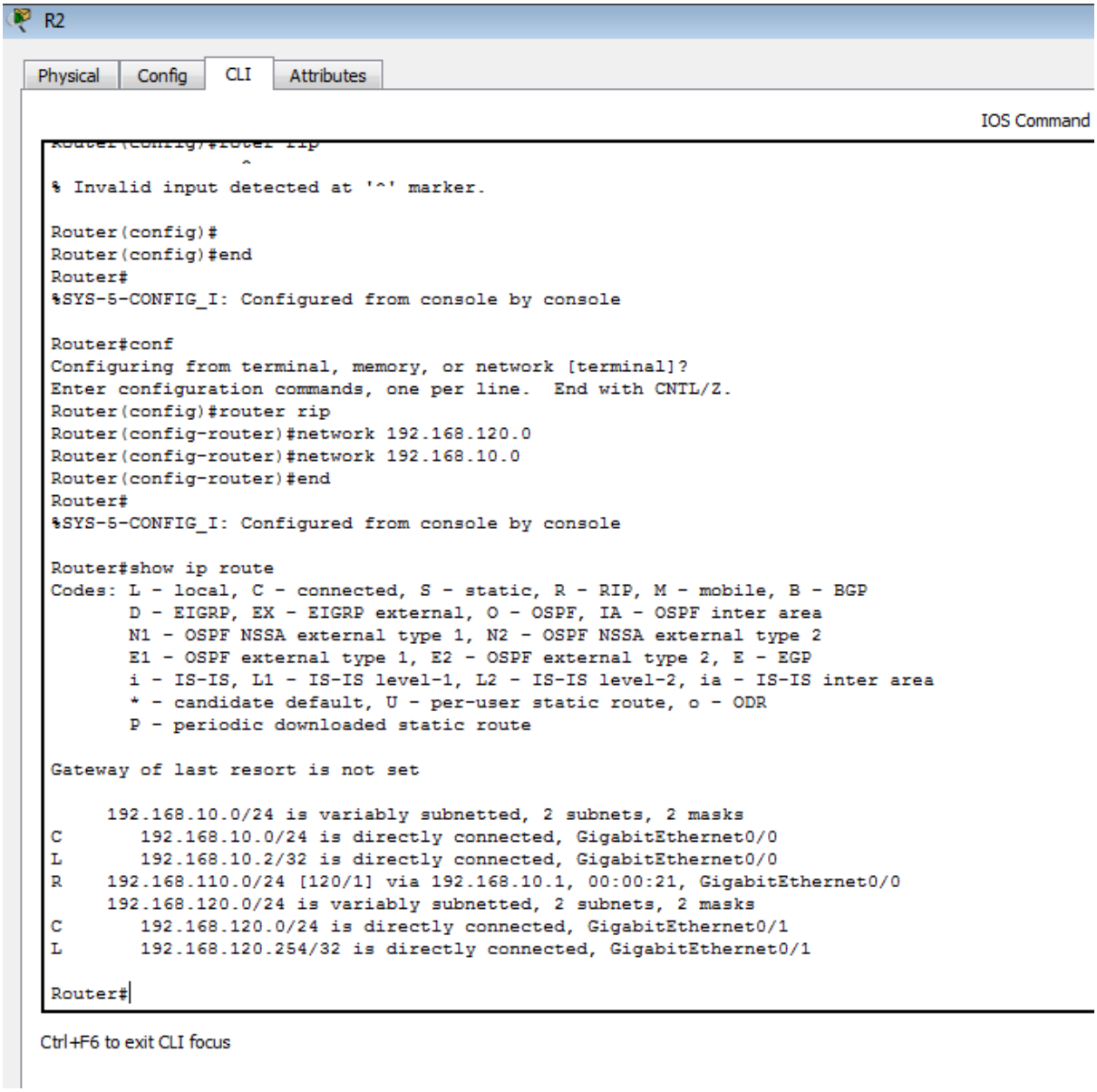
4. Melakukan routing RIP pada Router1 dan Router2



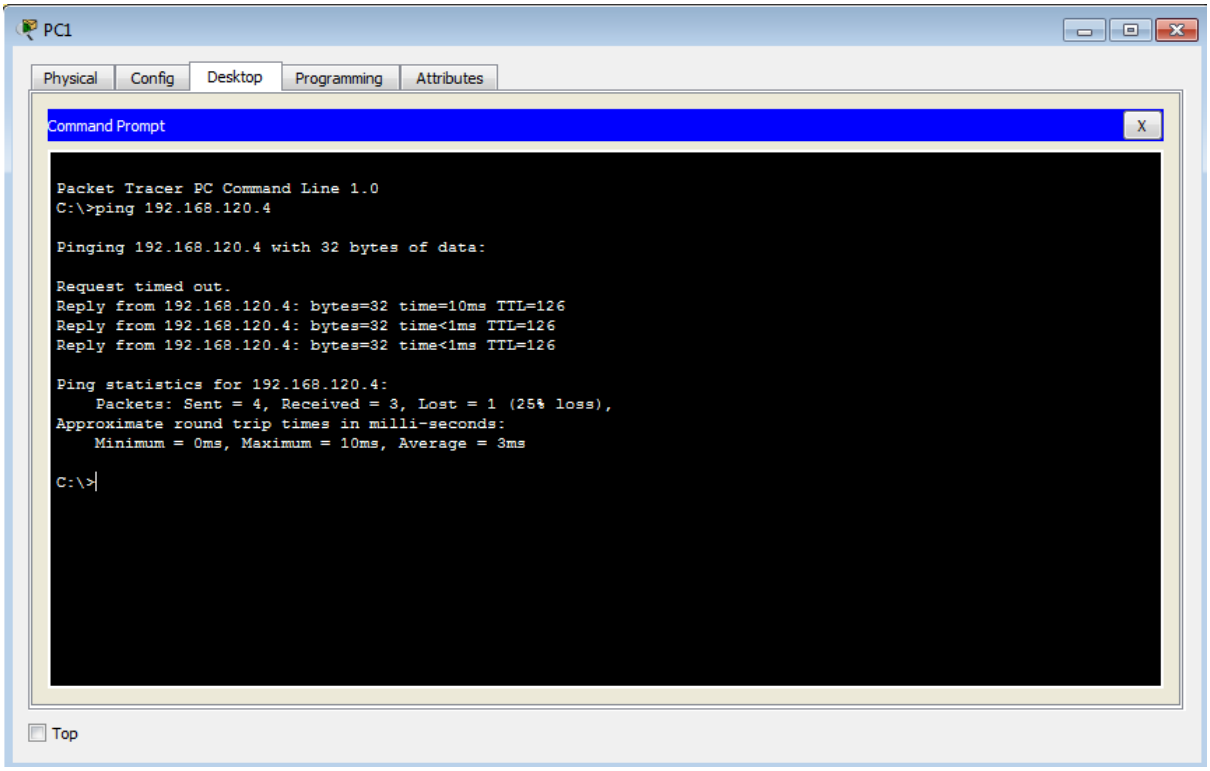

R2
Physical
Config
CLI
Attributes
IOS Command Line Interface
% Invalid input detected at '^' marker.
Router(config)#end
Router#
%SYS-5-CONFIG_I: Configured from console by console
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#roter rip
^
% Invalid input detected at '^' marker.
Router(config)#
Router(config)#end
Router#
%SYS-5-CONFIG_I: Configured from console by console
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#network 192.168.120.0
Router(config-router)#network 192.168.10.0
Router(config-router)#
Ctrl+F6 to exit CLI focus
Copy
Paste
Top

5. Pengecekan table routing pada masing masing Router

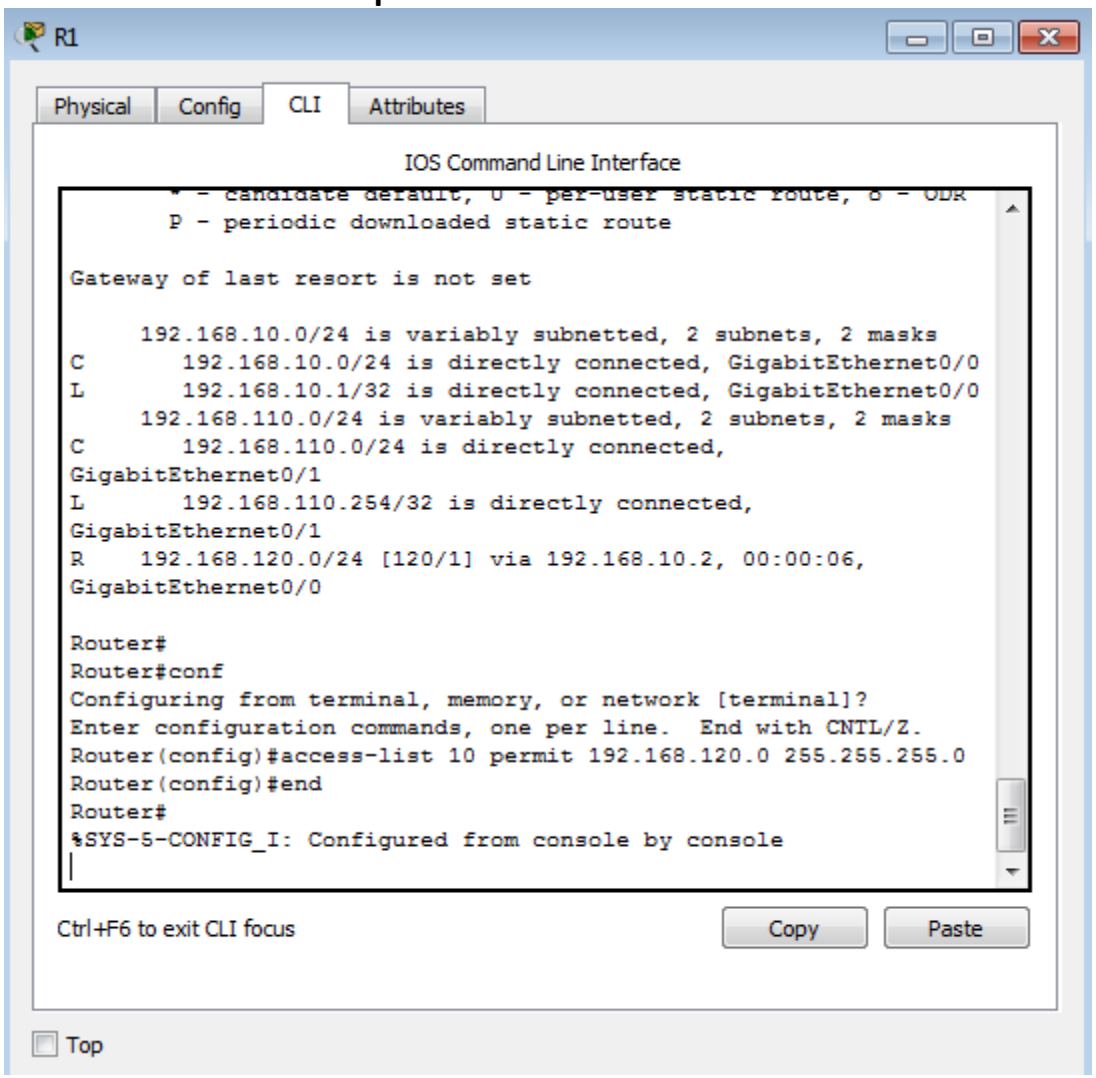



R2
Physical
Config
CLI
Attributes
IOS Command
% Invalid input detected at '^' marker.
Router(config)#
Router(config)#end
Router#
%SYS-5-CONFIG_I: Configured from console by console
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#network 192.168.120.0
Router(config-router)#network 192.168.10.0
Router(config-router)#end
Router#
%SYS-5-CONFIG_I: Configured from console by console
Router#show ip route
Codes: L - local, C - connected, S - static, R - RIP, M - mobile, B - BGP
D - EIGRP, EX - EIGRP external, O - OSPF, IA - OSPF inter area
N1 - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
E1 - OSPF external type 1, E2 - OSPF external type 2, E - EGP
i - IS-IS, L1 - IS-IS level-1, L2 - IS-IS level-2, ia - IS-IS inter area
* - candidate default, U - per-user static route, o - ODR
P - periodic downloaded static route
Gateway of last resort is not set
192.168.10.0/24 is variably subnetted, 2 subnets, 2 masks
C 192.168.10.0/24 is directly connected, GigabitEthernet0/0
L 192.168.10.2/32 is directly connected, GigabitEthernet0/0
R 192.168.110.0/24 [120/1] via 192.168.10.1, 00:00:21, GigabitEthernet0/0
192.168.120.0/24 is variably subnetted, 2 subnets, 2 masks
C 192.168.120.0/24 is directly connected, GigabitEthernet0/1
L 192.168.120.254/32 is directly connected, GigabitEthernet0/1
Router#
Ctrl+F6 to exit CLI focus

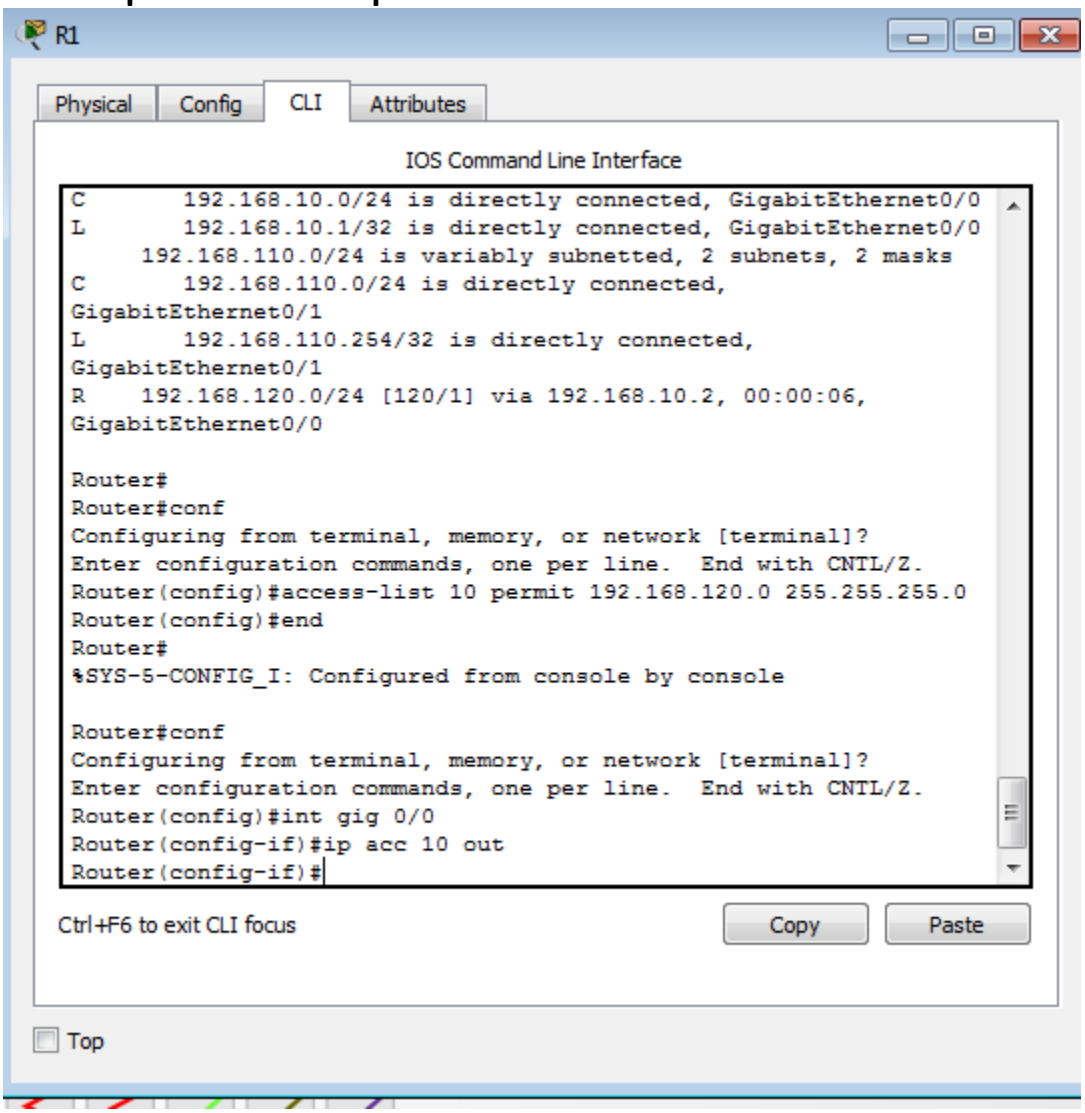
6. Tes koneksi dari PC1 ke PC4



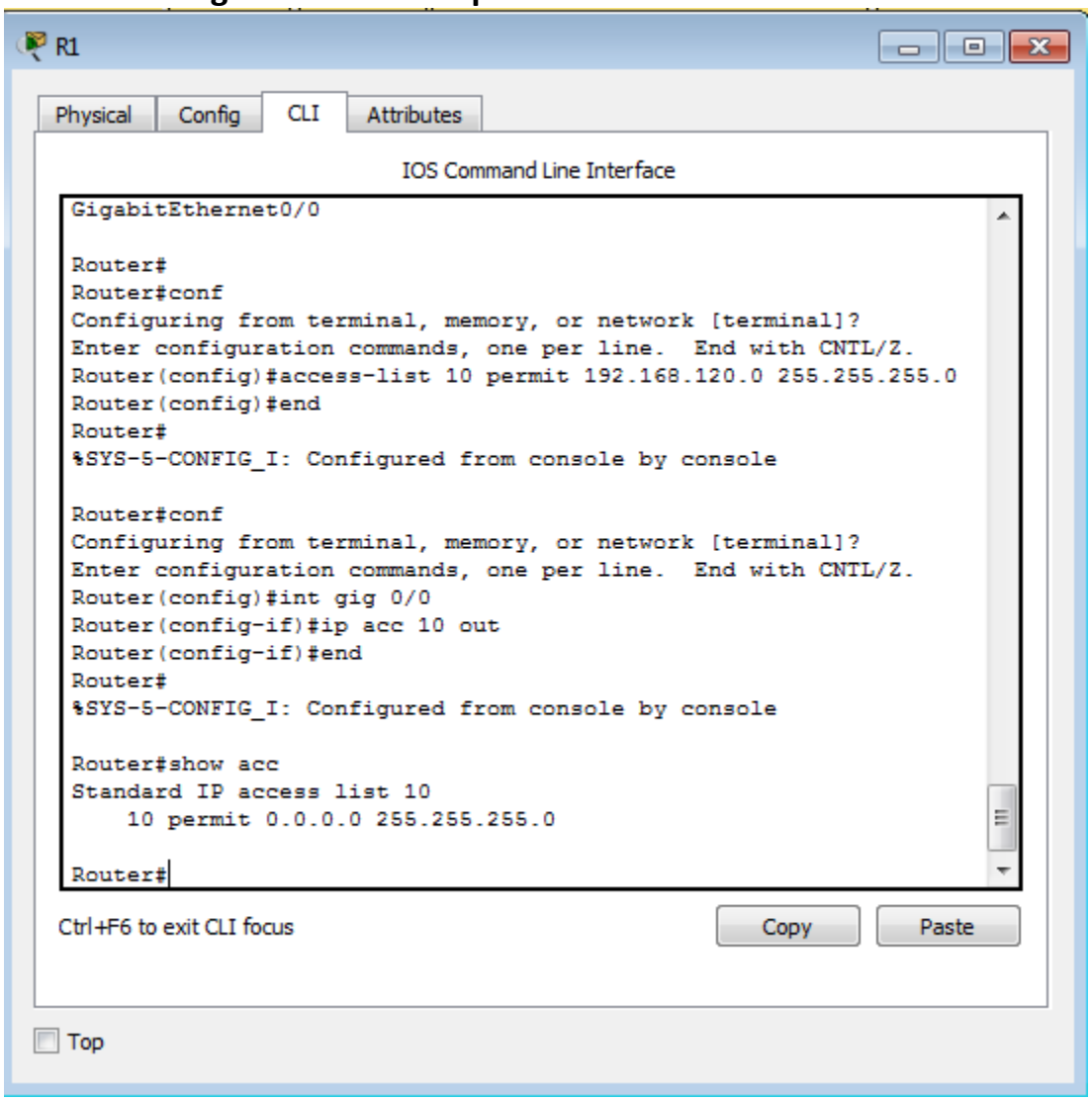
7. Menentukan access list pada Router1



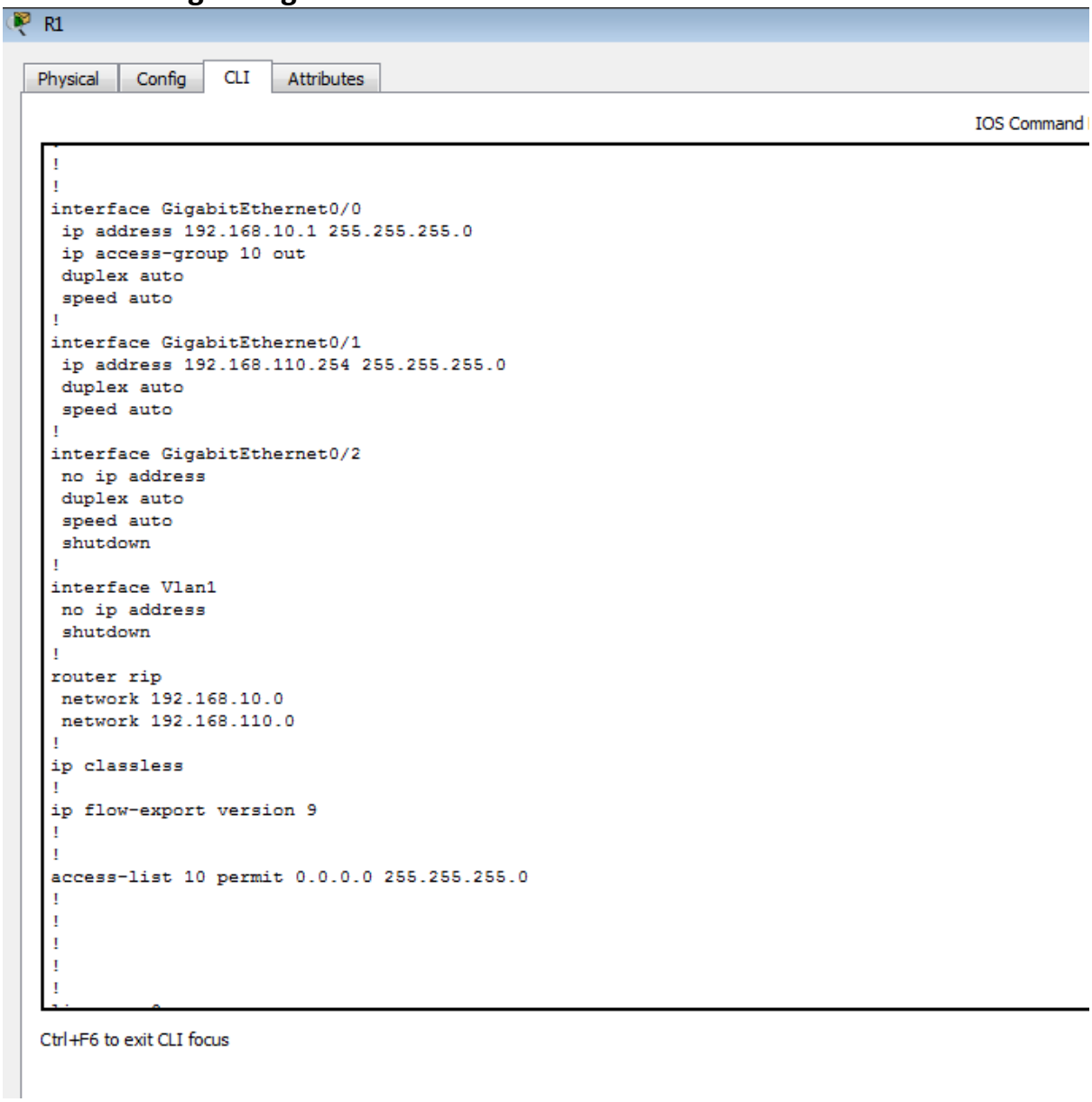
8. Menerapkan access list pada Router1



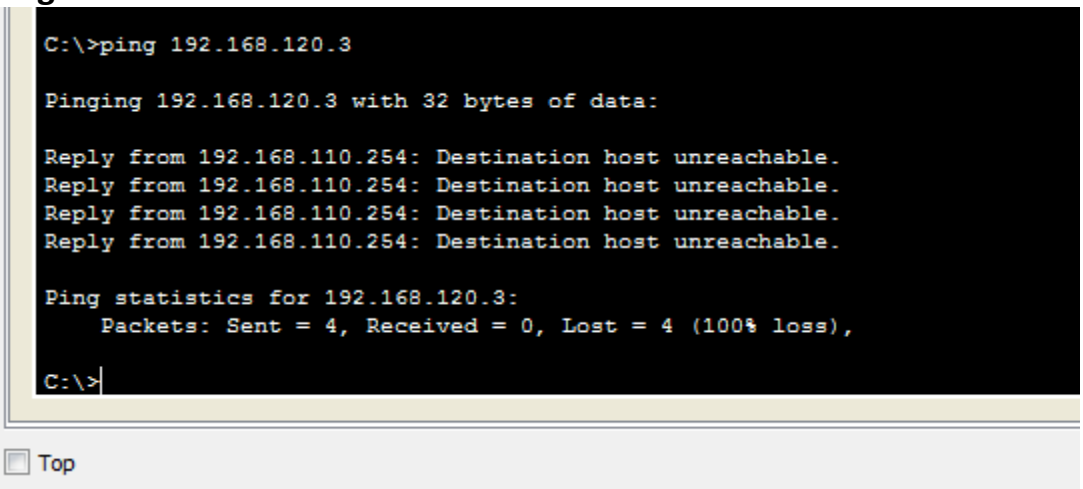
9. Melihat konfigurasi access list pada Router1

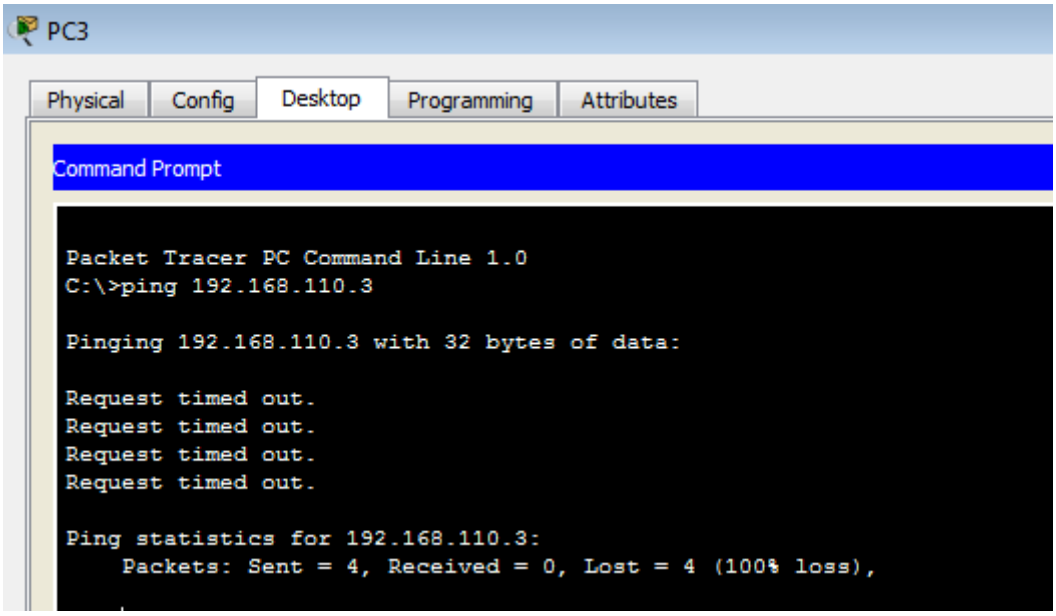


10. Show running config

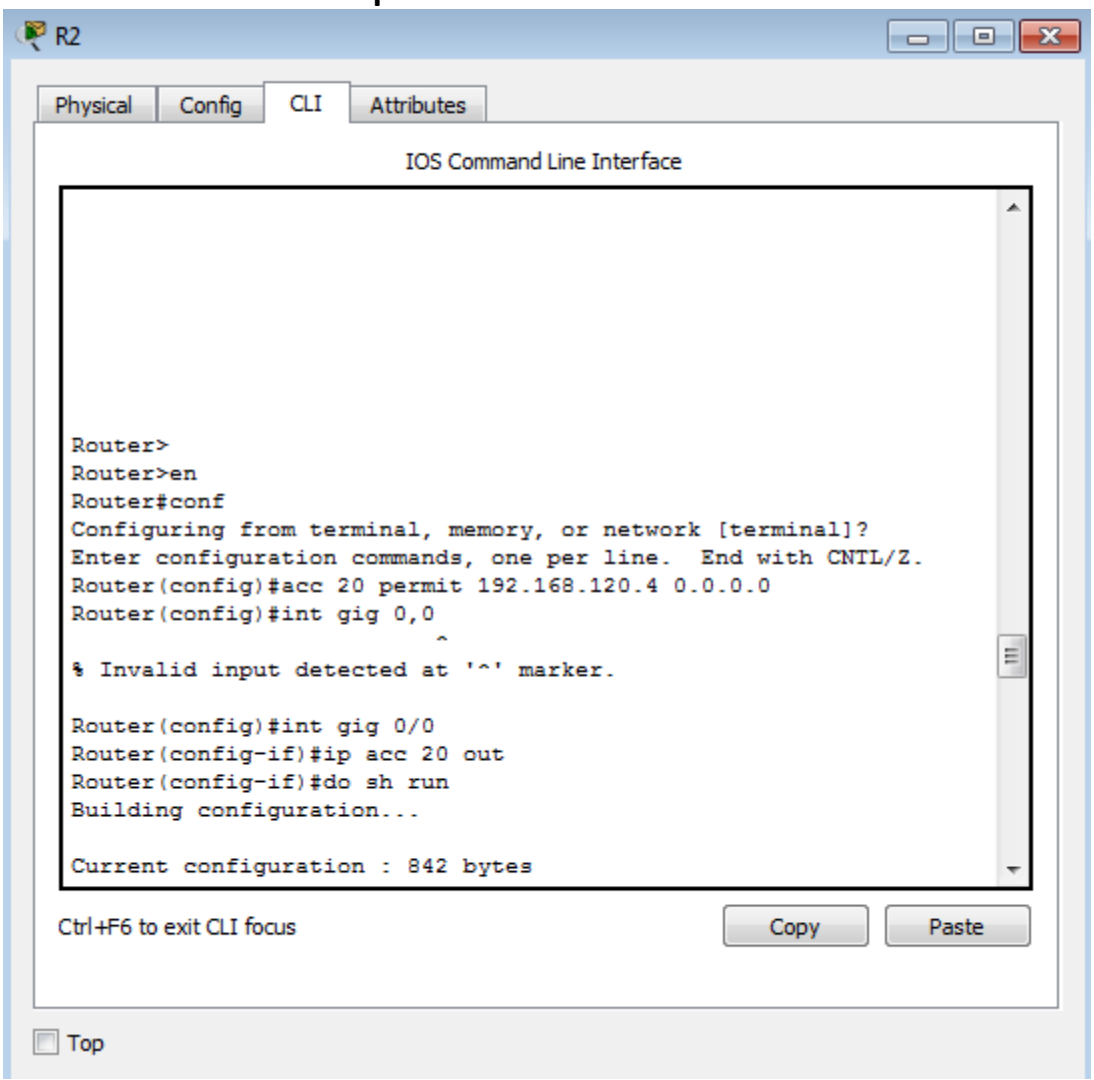


11.Ping PC1 ke PC3 dua arah

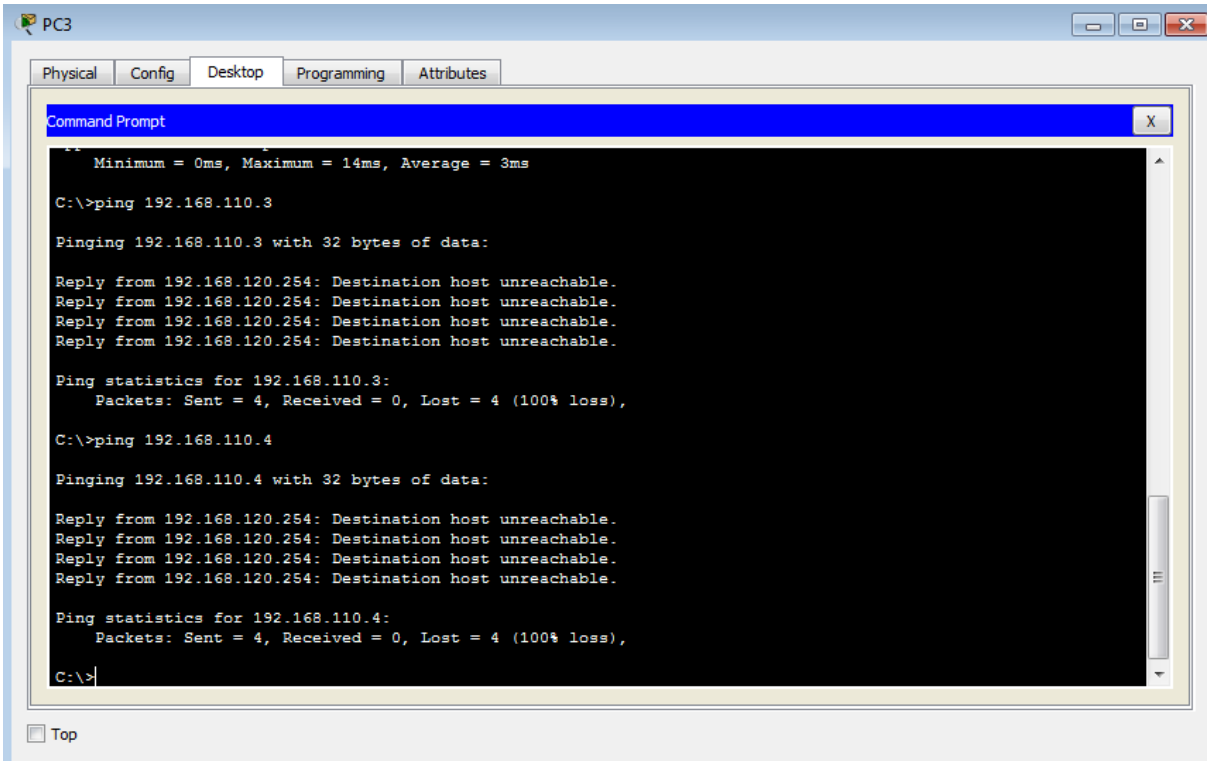




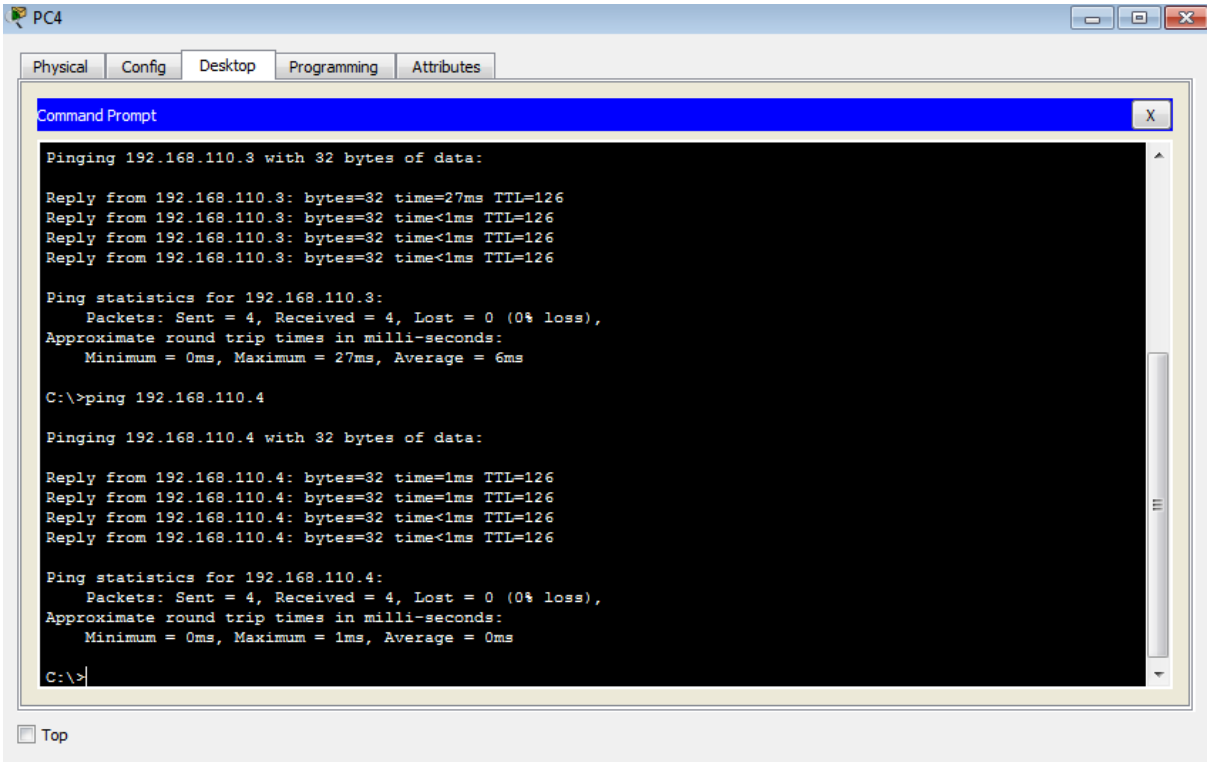
12.Memberikan access list pada PC4



13.Tes koneksi dari PC3 ke PC1 dan PC2



14.Tes koneksi dari PC4 ke PC1 dan PC2



Kegiatan 2:

1. **Melakukan konfigurasi extended access list**