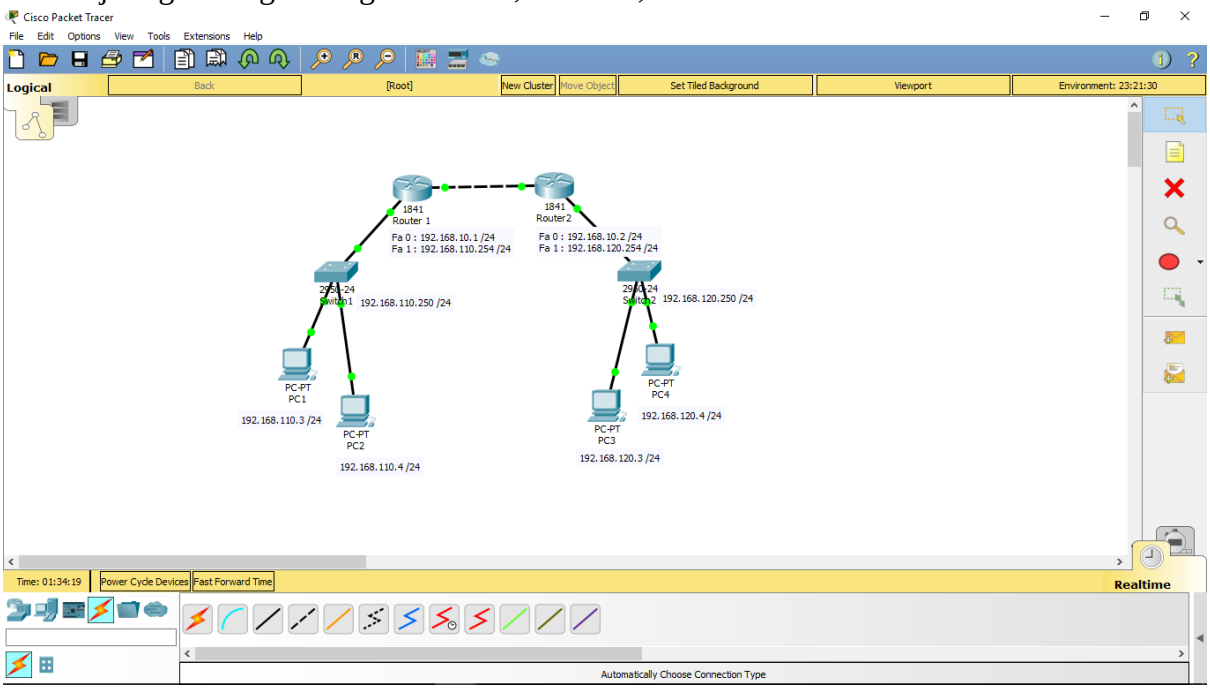
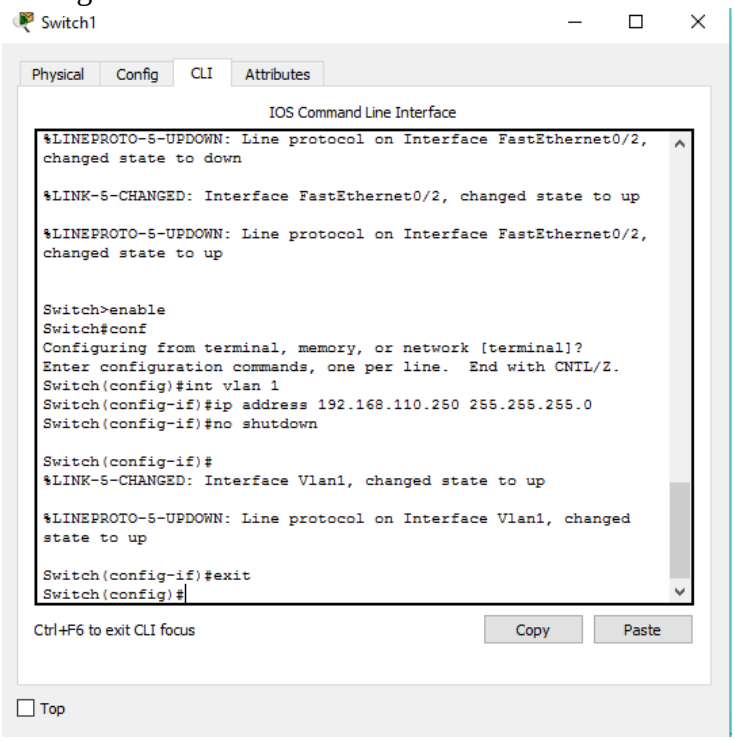
NAMA : Fitri Cahya Kusumawati
NIM : L200170110
KELAS : C
MODUL : 8

Kegiatan 1

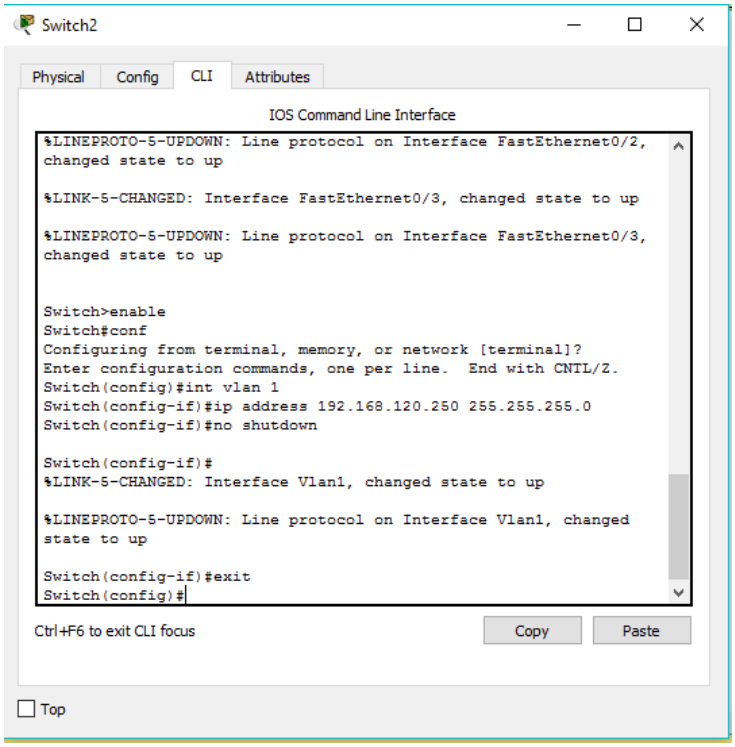
1. Desain jaringan dengan dengan 2 router, 2 switch, dan 2 PC



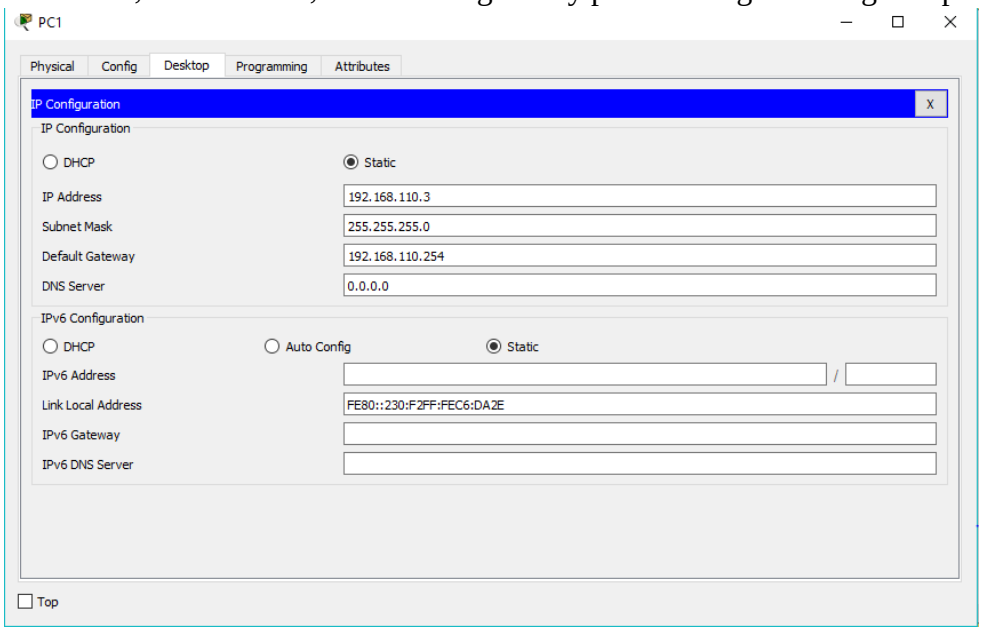
2. Konfigurasi alamat IP untuk Switch 1

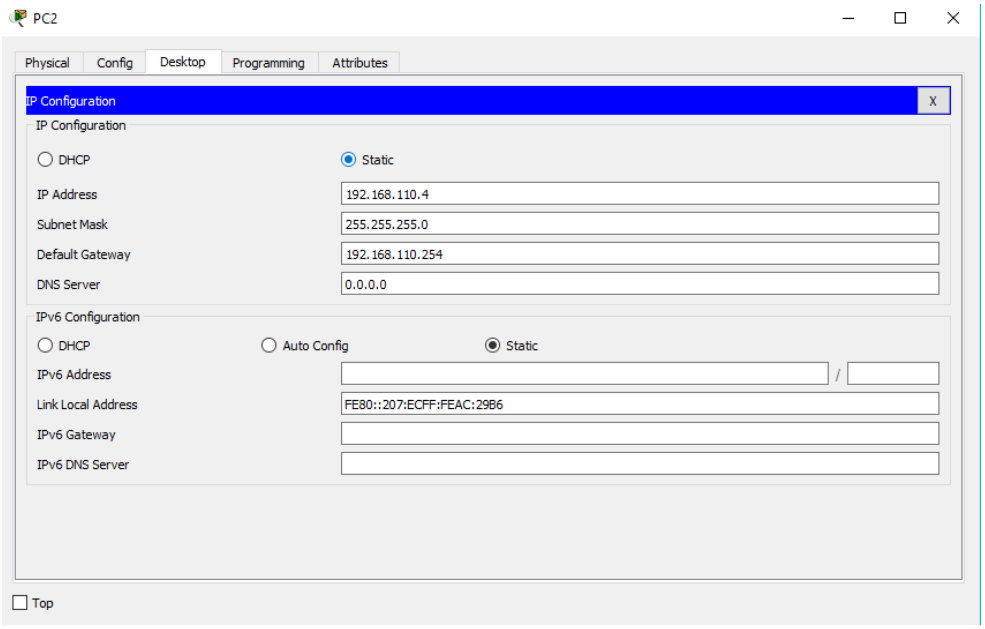


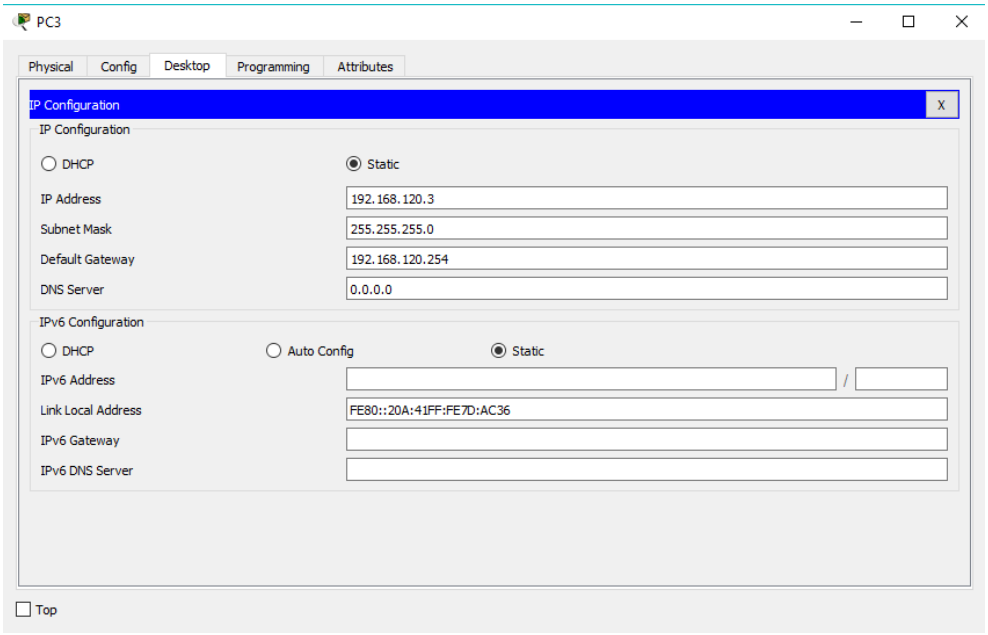
3. Konfigurasi alamat IP untuk switch 2

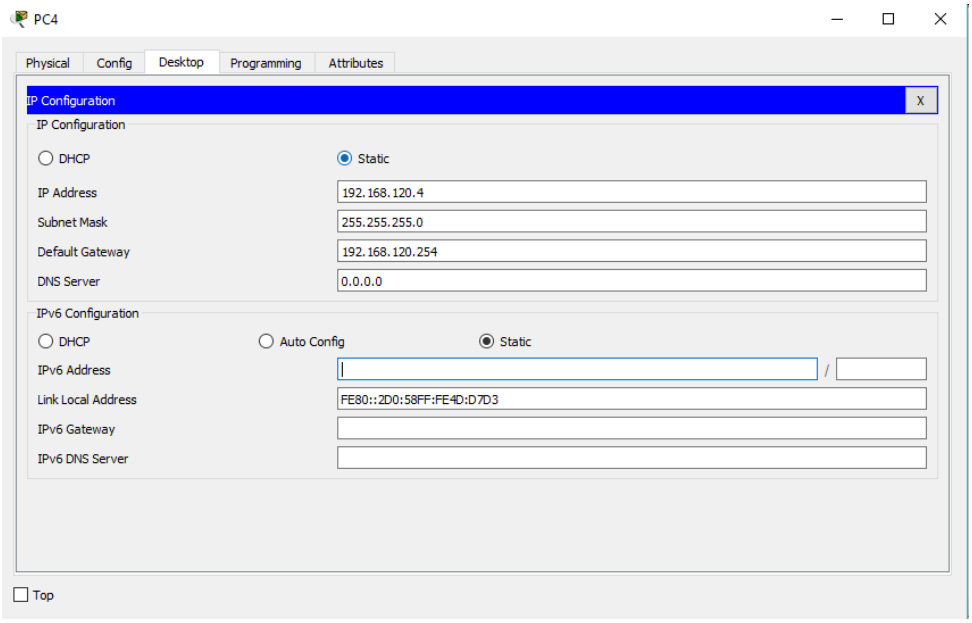


4. Alamat IP, subnet mask, dan default gateway pada masing – masing komputer

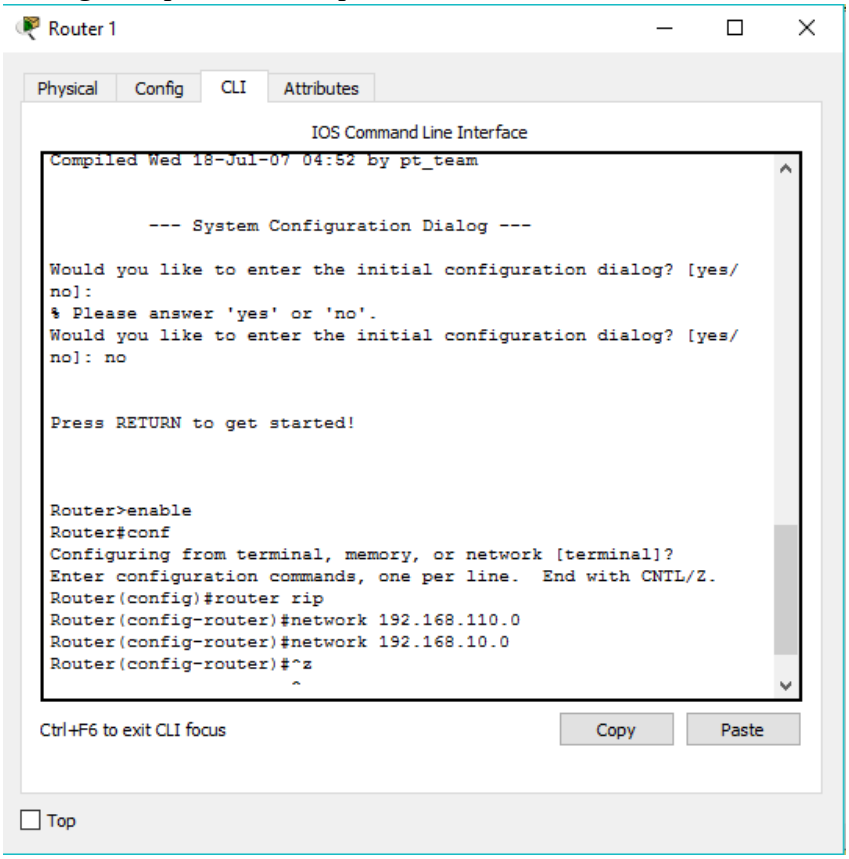



PC2
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
IP Configuration
DHCP
Static
IP Address
192.168.110.4
Subnet Mask
255.255.255.0
Default Gateway
192.168.110.254
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::207:ECFF:FEAC:29B6
IPv6 Gateway
IPv6 DNS Server
Top

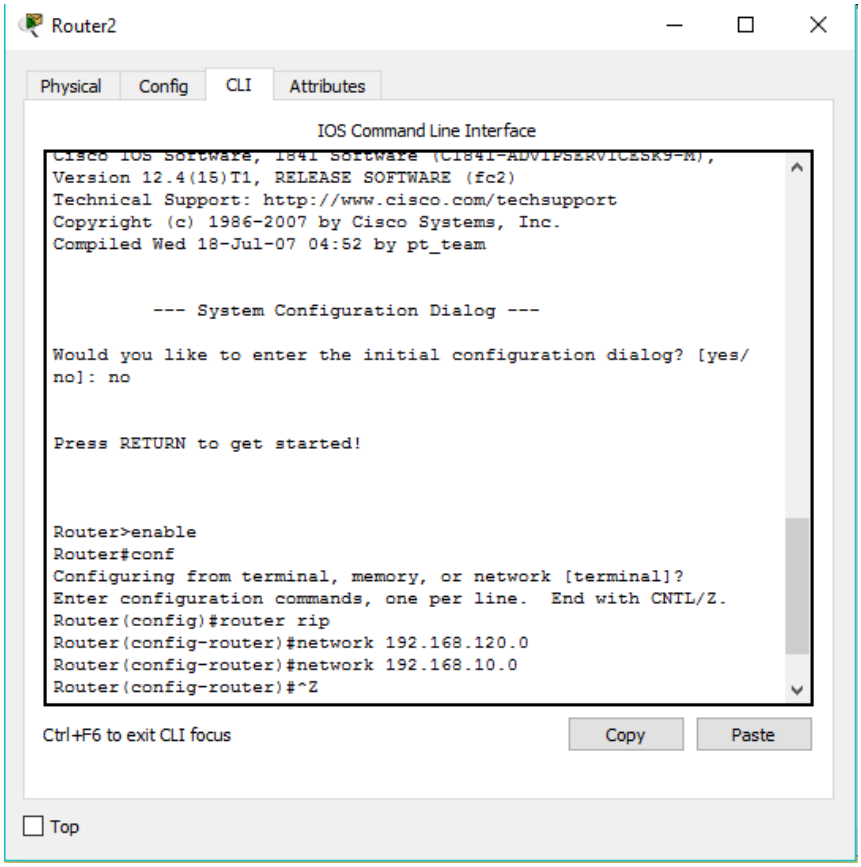

PC3
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
IP Configuration
DHCP
Static
IP Address
192.168.120.3
Subnet Mask
255.255.255.0
Default Gateway
192.168.120.254
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
Link Local Address
FE80::20A:41FF:FE7D:AC36
IPv6 Gateway
IPv6 DNS Server
Top



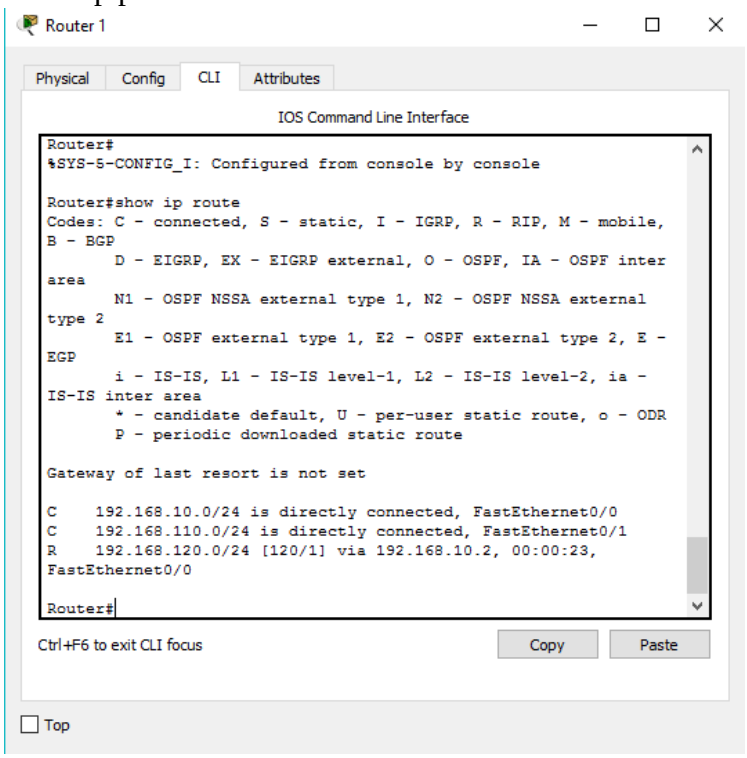
5. Gunakan routing dengan protokol RIP pada kedua jaringan
   Konfigurasi protokol RIP pada Router 1



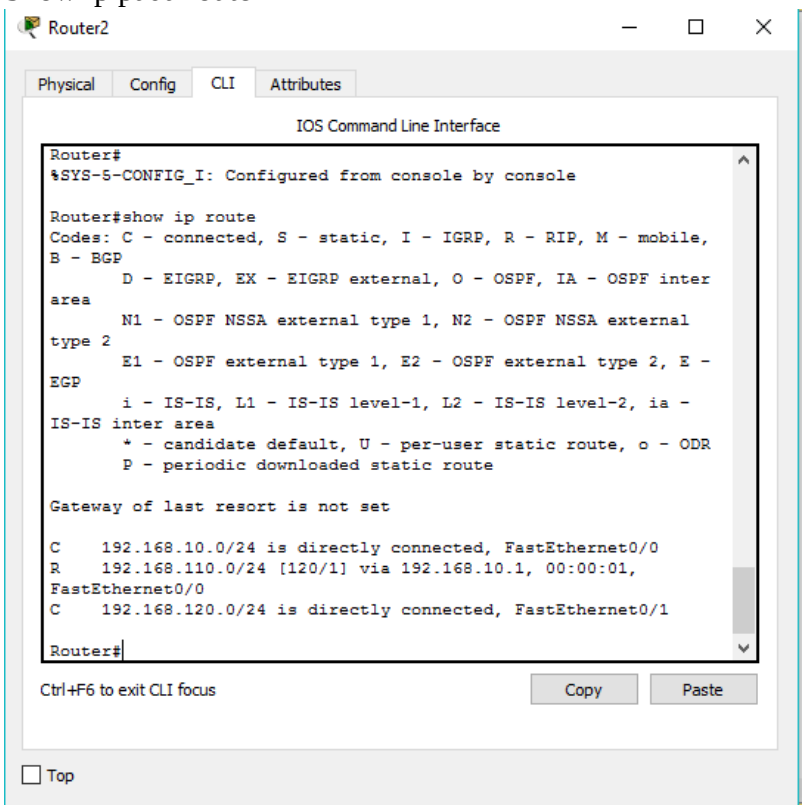
Konfigurasi protokol RIP pada Router 2



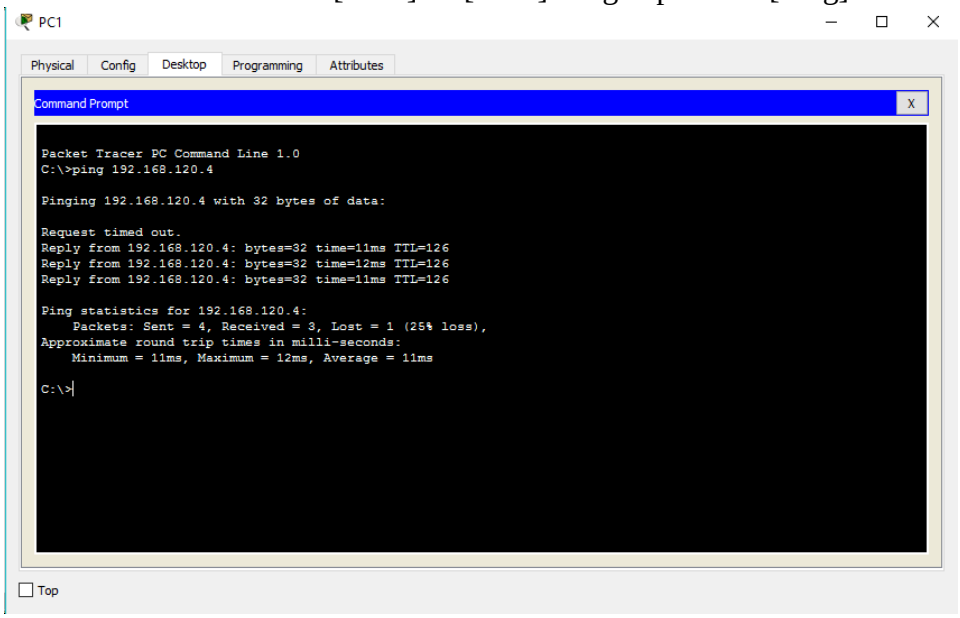
6. Pengecekan tabel routing pada kedua router dengan perintah [show ip route]
   Show ip pada router 1



Show ip pada router 2



7. Lakukan tes koneksi dari [PC 1] ke [PC 4] dengan perintah [Ping]



8. Access list 192.168.120 ke 192.168.110 pada router 1

```
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#access-list 10 permit 192.168.120.0 0.0.255.255
Router(config)#end
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#
```

Ctrl+F6 to exit CLI focus Copy Paste

9. Access list 10 untuk interface e1

```
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#interface FastEthernet0/1
Router(config-if)#ip access-group 10 out
Router(config-if)#^Z
```

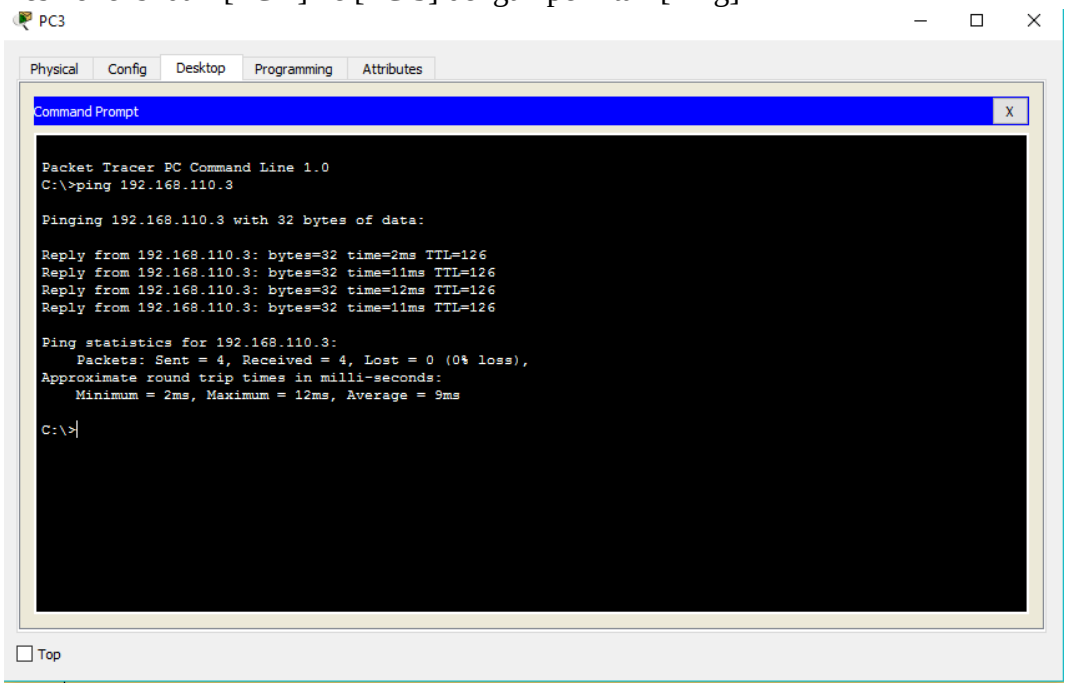
Ctrl+F6 to exit CLI focus Copy Paste

10. Show running-config pada routing 1

```
!
interface FastEthernet0/1
 ip address 192.168.110.254 255.255.255.0
 ip access-group 10 out
 duplex auto
 speed auto
!
```

Ctrl+F6 to exit CLI focus Copy Paste

11. Tes koneksi dari [PC 1] ke [PC 3] dengan perintah [Ping]



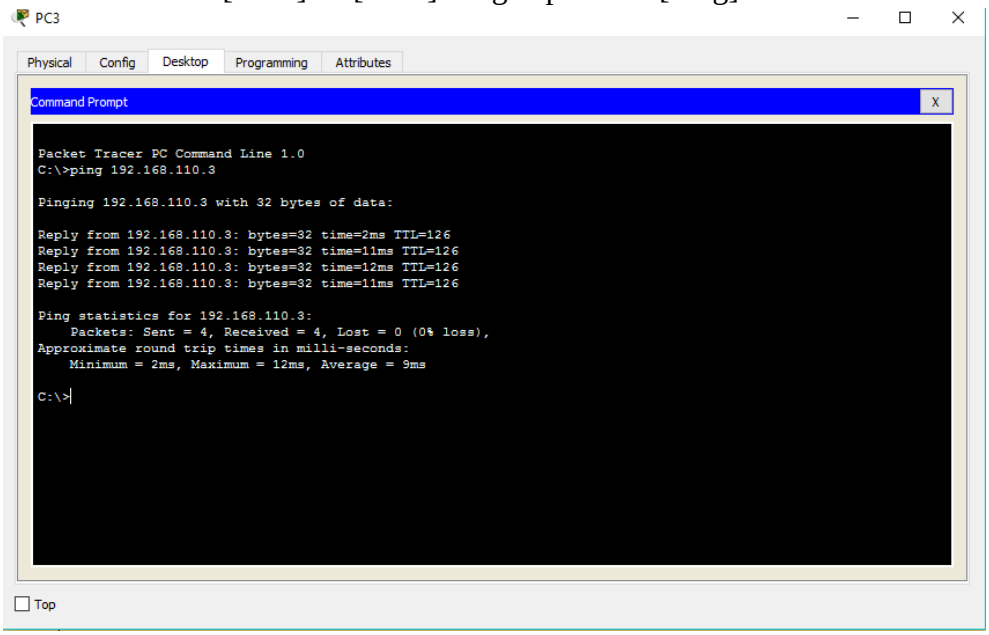
12. Access list 20 untuk 192.168.120.4

```
Router#conf
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#access-list 20 permit 192.168.120.4 0.0.0.0
Router(config)#^Z
```

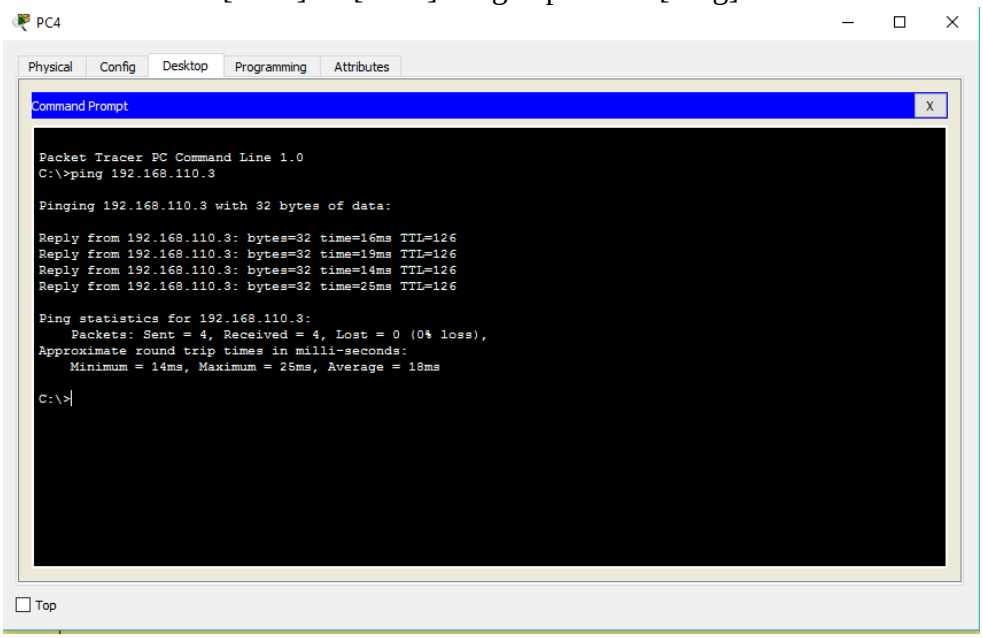
13. Penerapan Access list 20 pada Ethernet 1

```
Router#CONF
Configuring from terminal, memory, or network [terminal]?
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#interface FastEthernet0/1
Router(config-if)#ip access-group 20 out
Router(config-if)#^Z
```

14. Tes koneksi dari [PC 3] ke [PC 1] dengan perintah [Ping]



15. Tes koneksi dari [PC 4] ke [PC 1] dengan perintah [Ping]



Kegiatan 2

Cara dan penerapan mengkonfigurasi Extended Access List