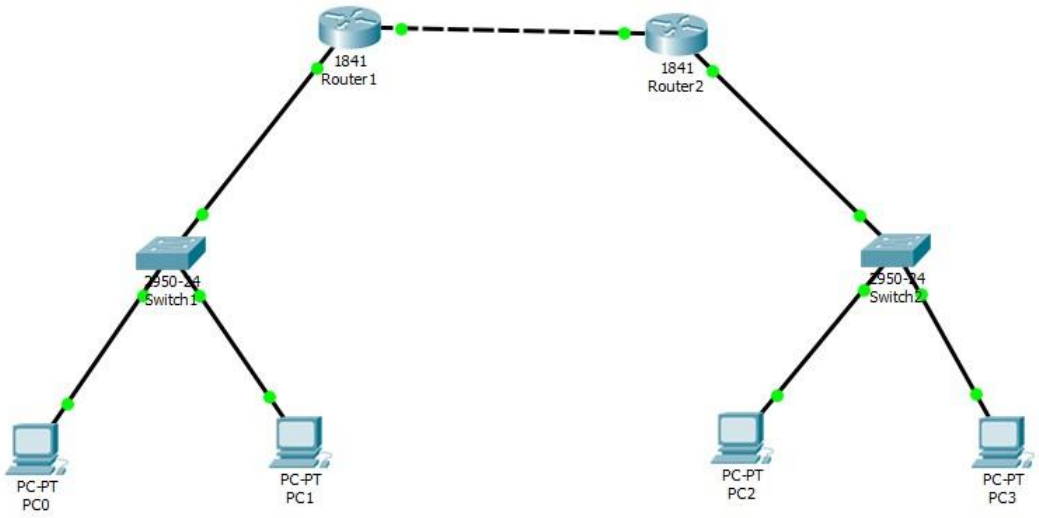
NAMA : FEBRIANTO RIDWAN SYAH

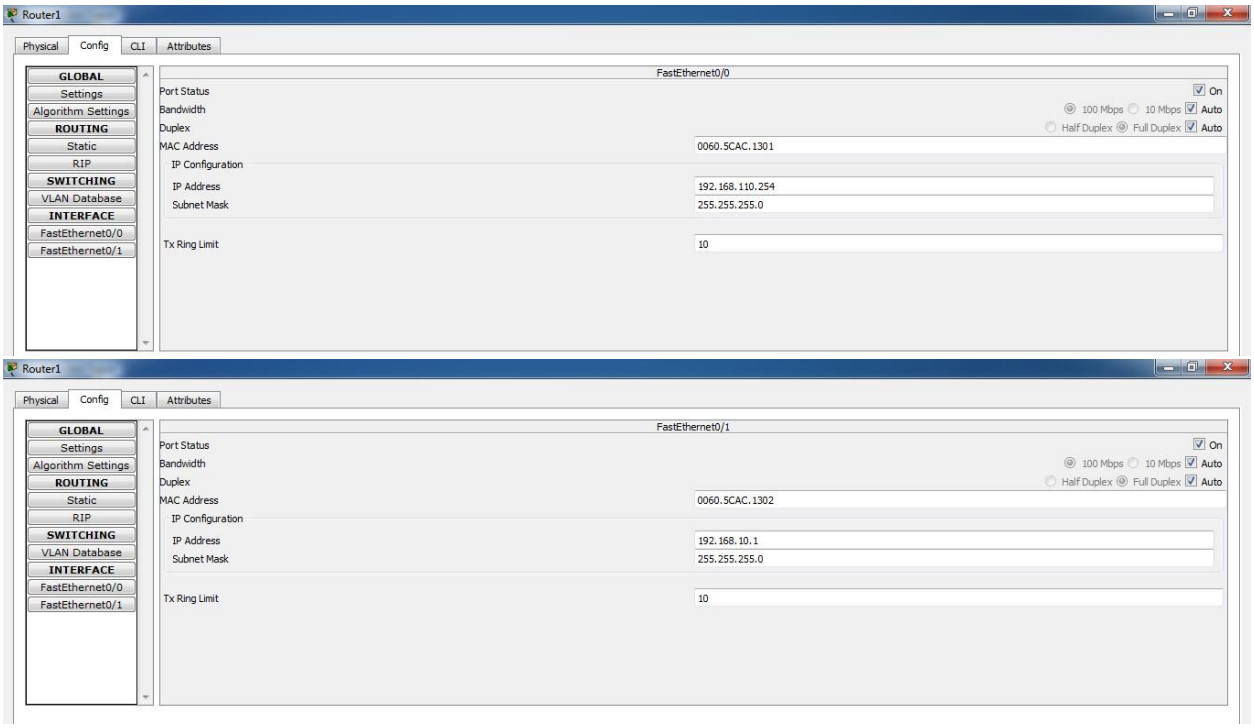
NIM : L200170121

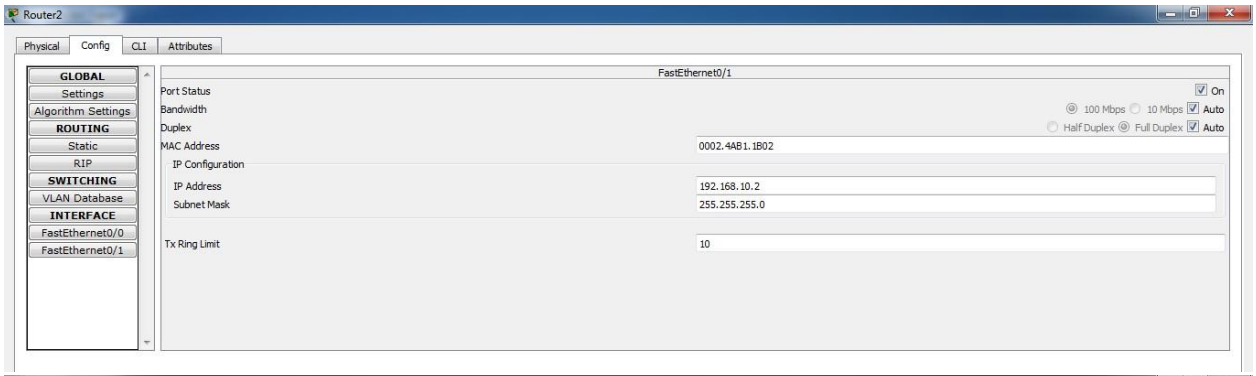
KELAS : C

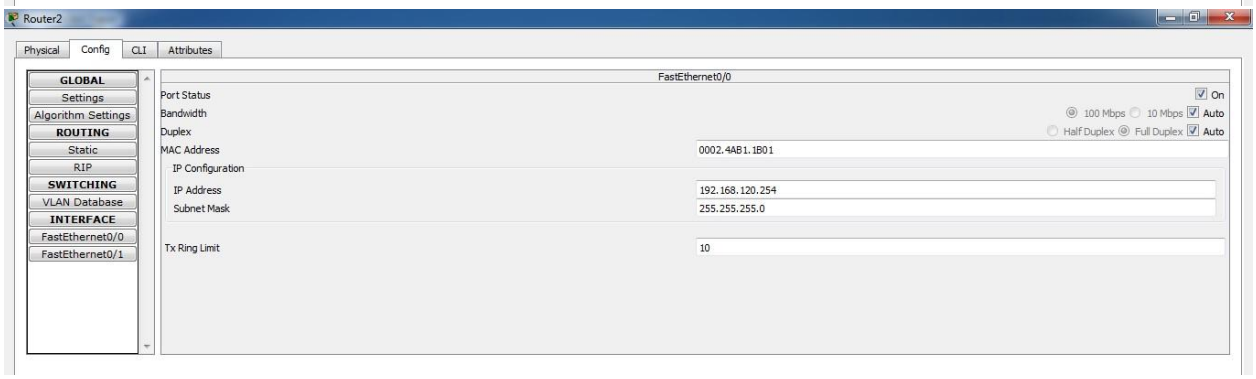
MODUL : 8



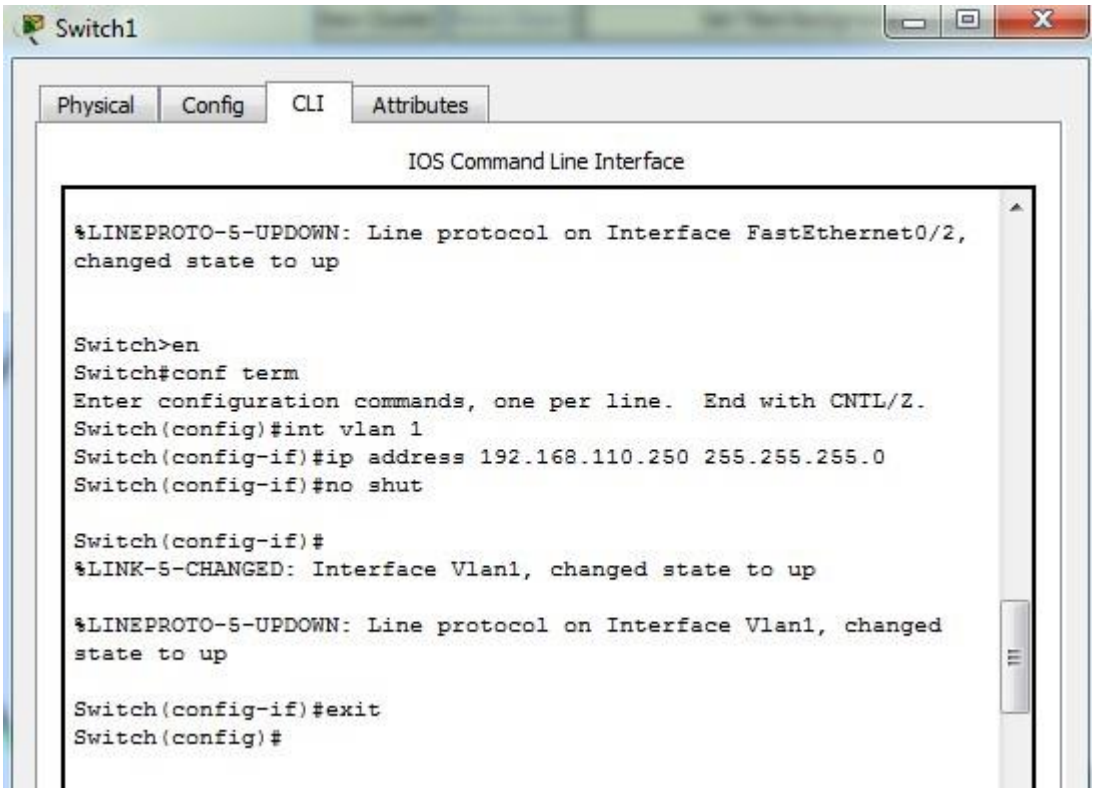
1. Router

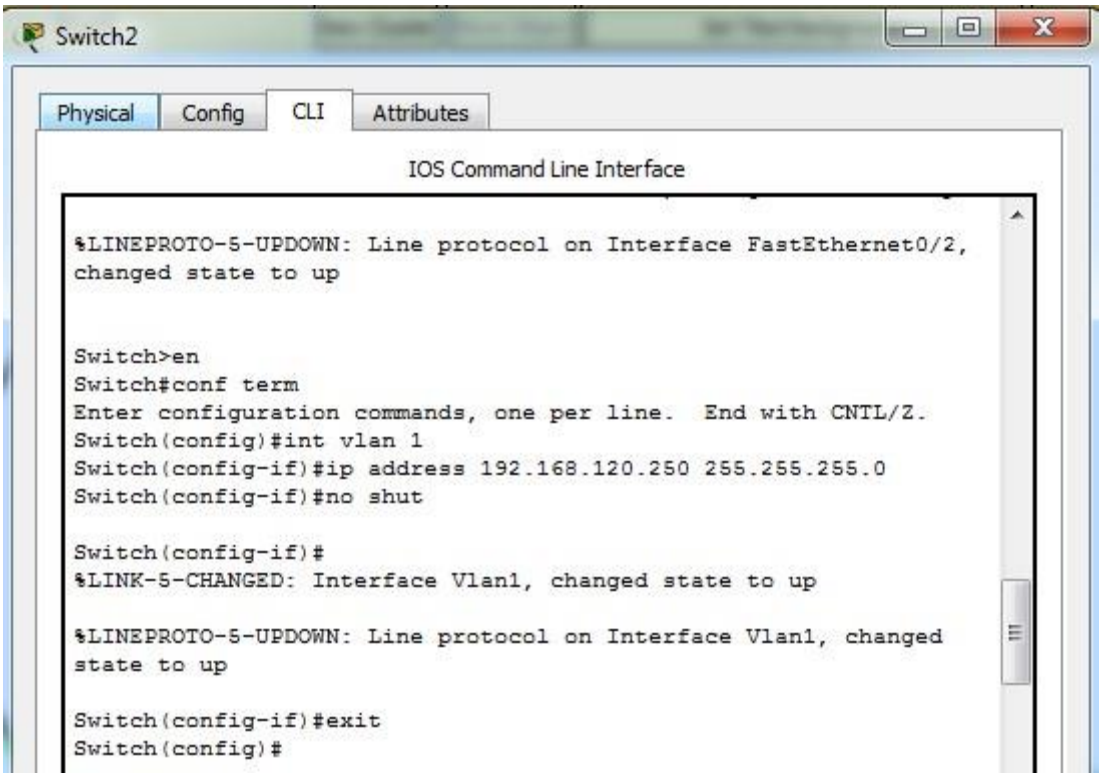




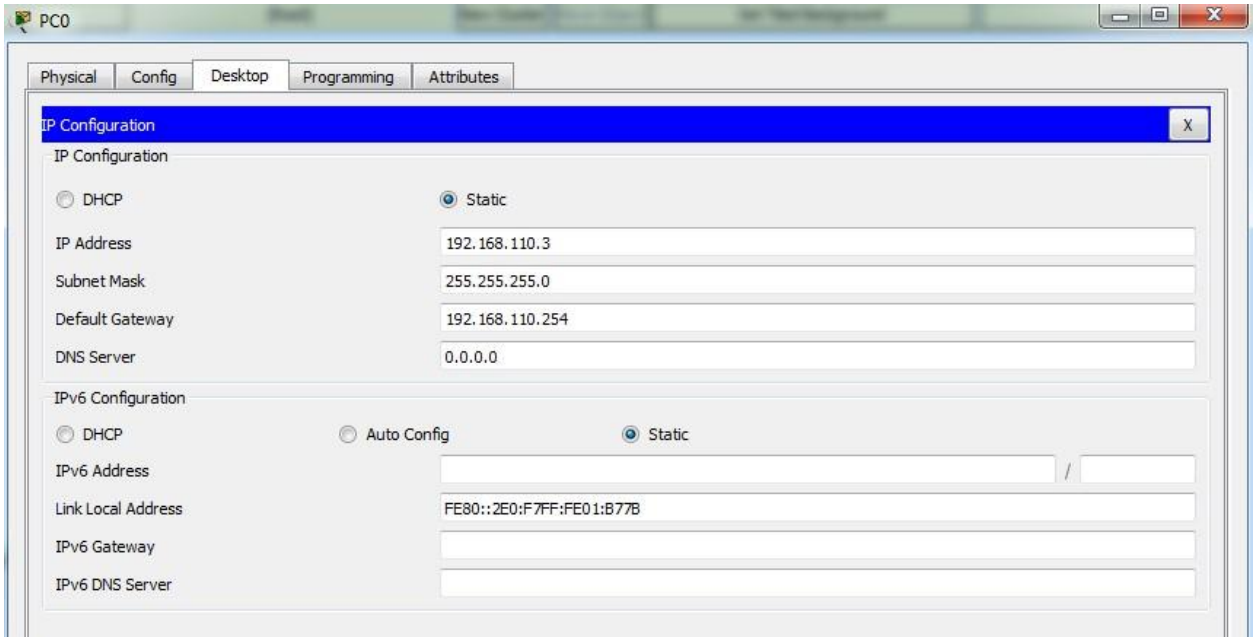


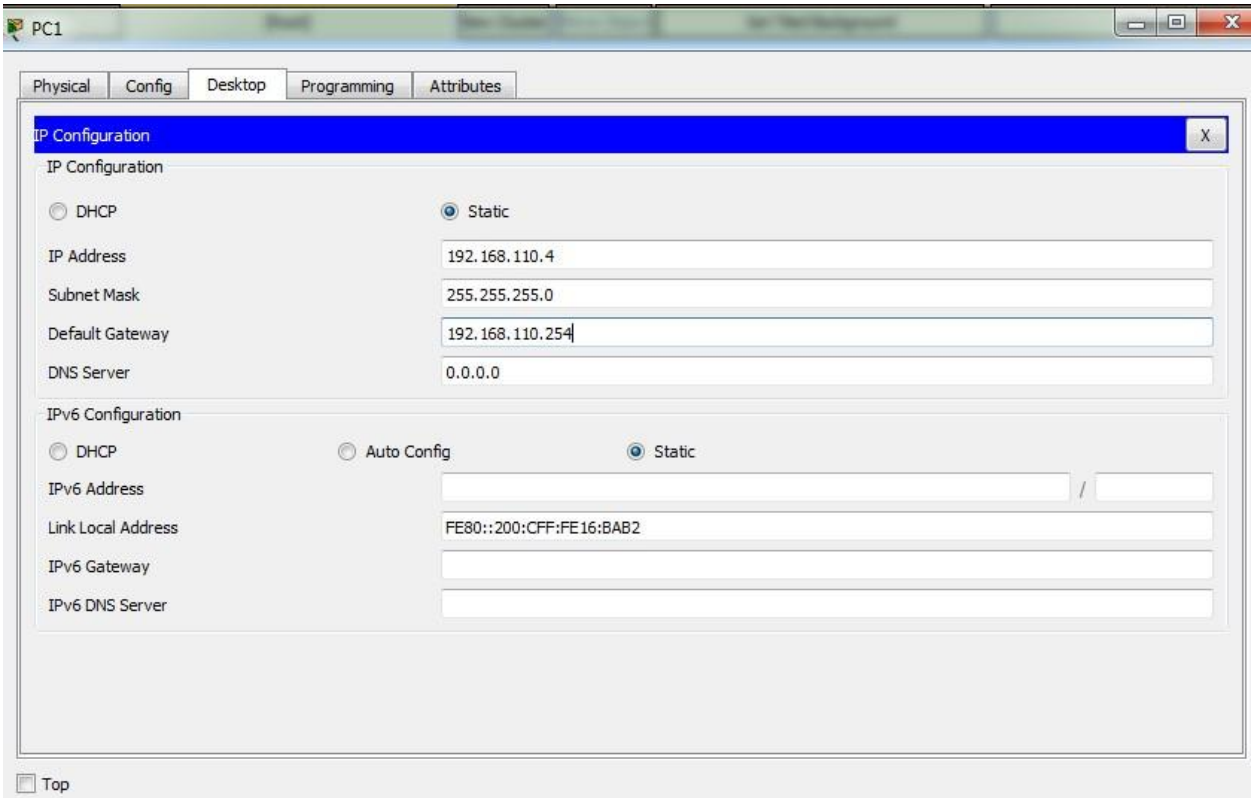
2. Memberi alamat ip pada setiap switch

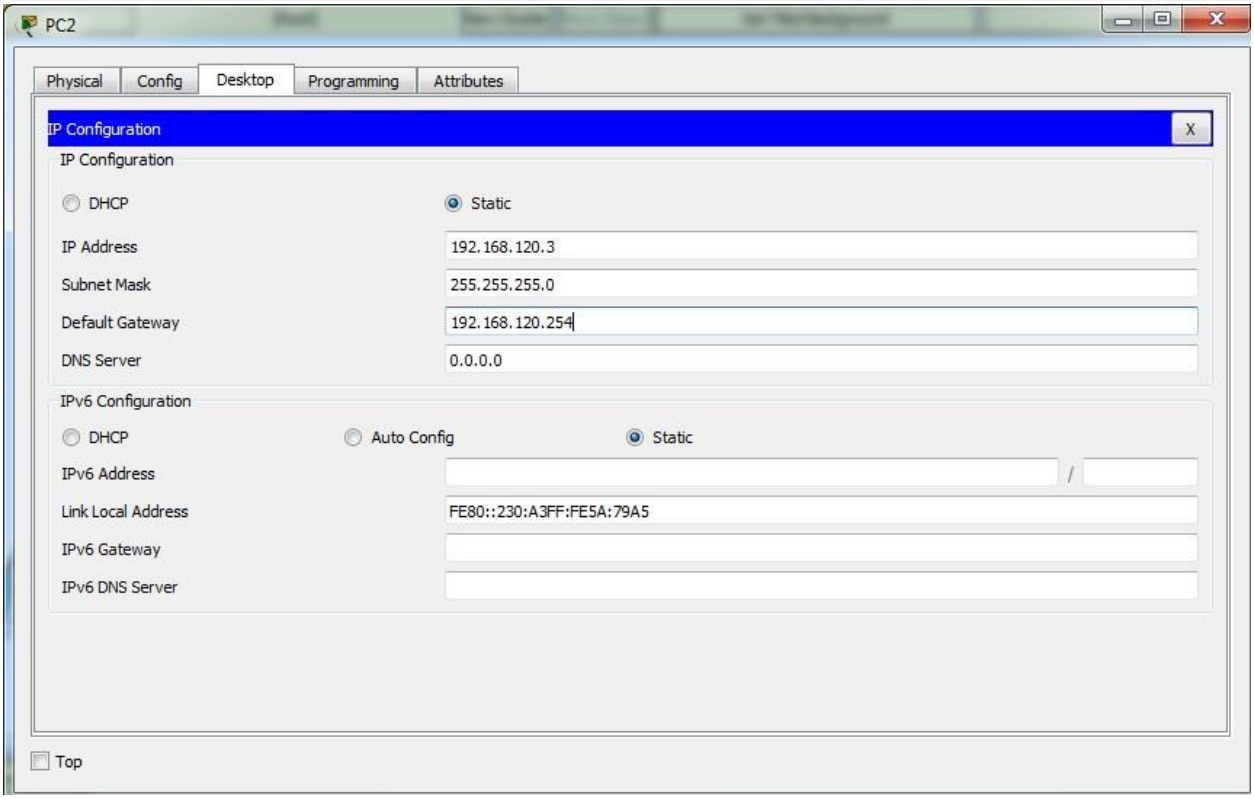


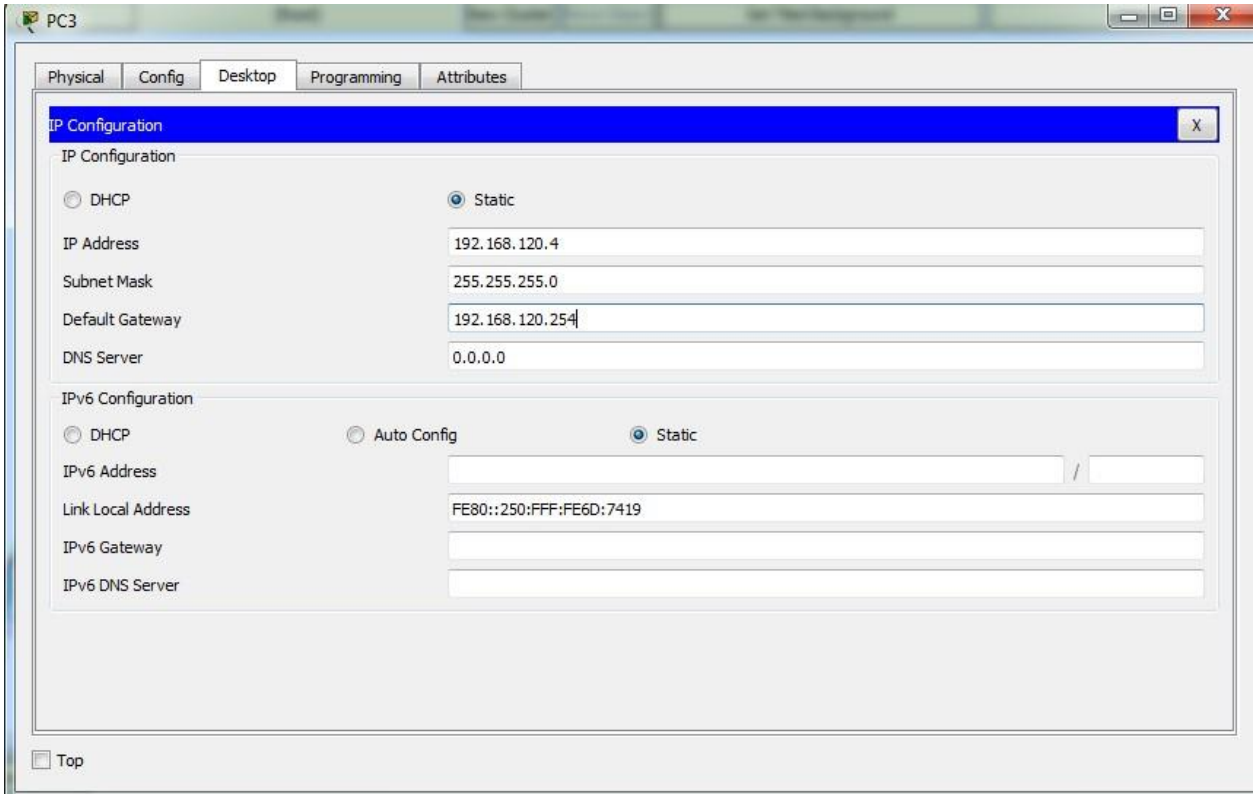


3. Memberikan alamat ip, sebnet mask, dan default gateway pada setiap pc

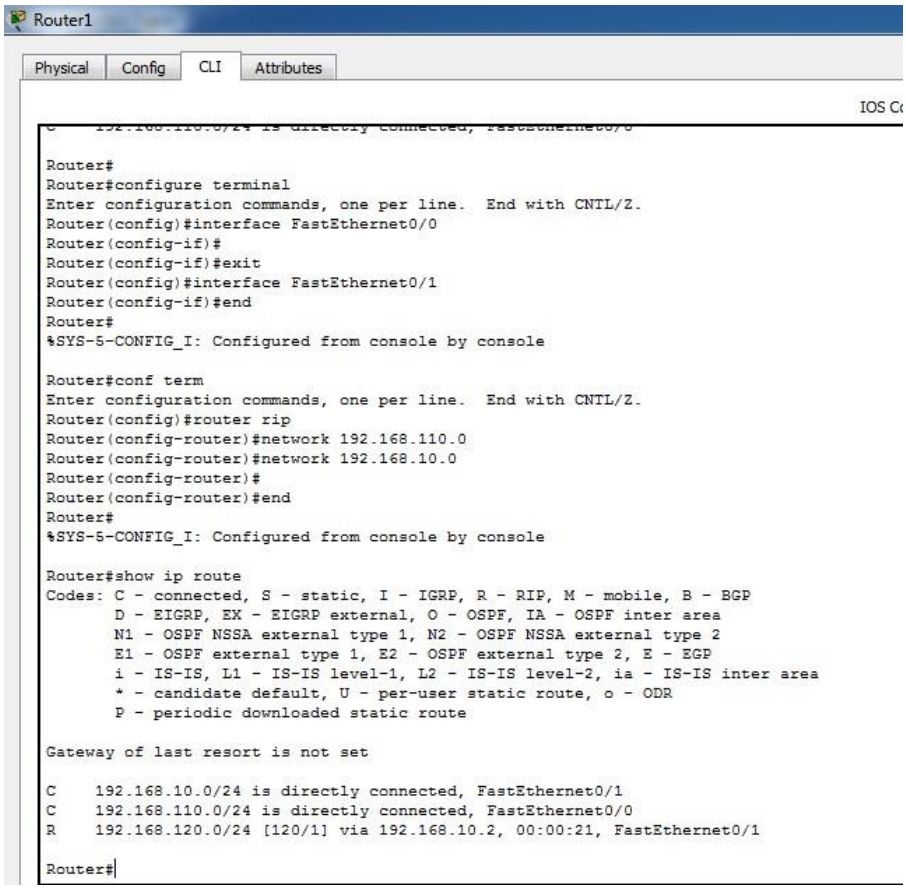



PC1
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
IP Configuration
DHCP
Static
IP Address
192.168.110.4
Subnet Mask
255.255.255.0
Default Gateway
192.168.110.254
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
/
Link Local Address
FE80::200:CFF:FE16:BAB2
IPv6 Gateway
IPv6 DNS Server
Top

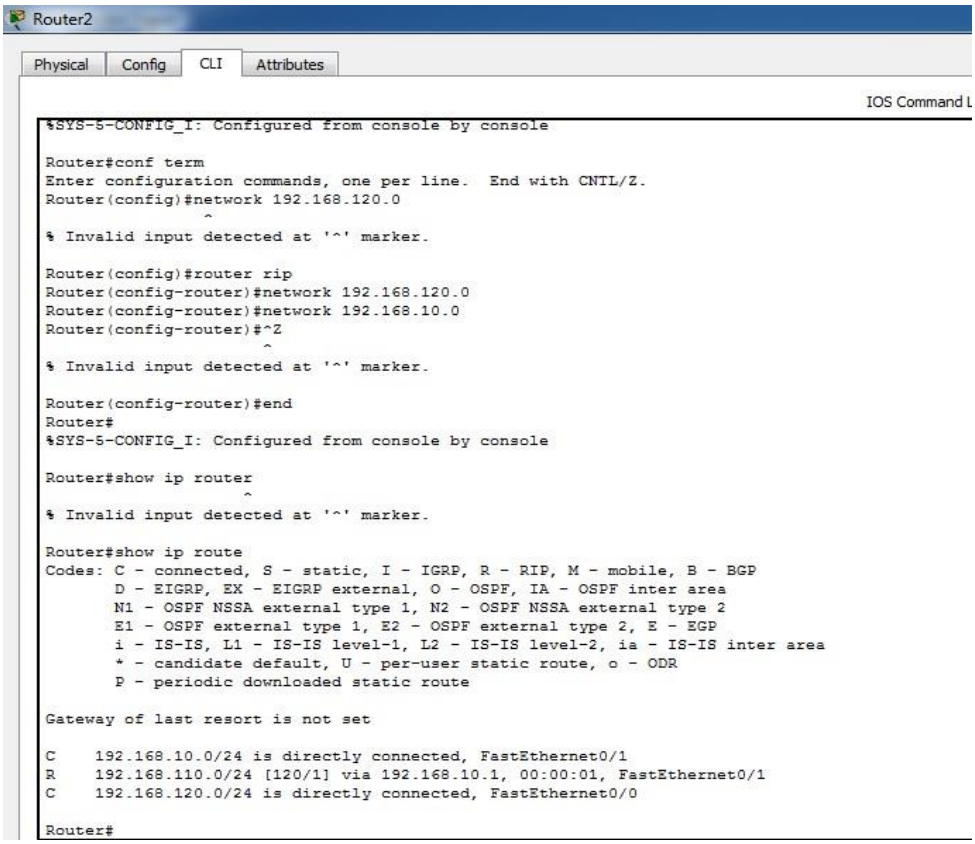

PC2
Physical
Config
Desktop
Programming
Attributes
IP Configuration
X
IP Configuration
DHCP
Static
IP Address
192.168.120.3
Subnet Mask
255.255.255.0
Default Gateway
192.168.120.254
DNS Server
0.0.0.0
IPv6 Configuration
DHCP
Auto Config
Static
IPv6 Address
/
Link Local Address
FE80::230:A3FF:FE5A:79A5
IPv6 Gateway
IPv6 DNS Server
Top



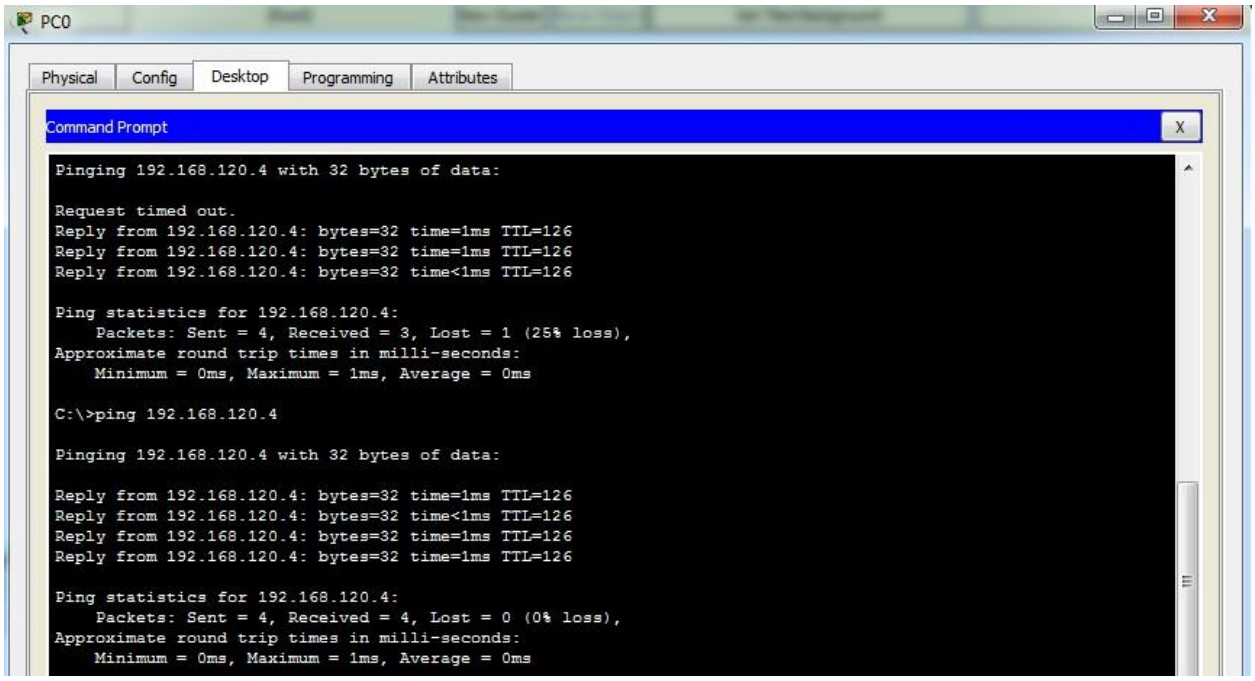
4. Pembuatan routing dengan protocol rip pada kedua jaringan



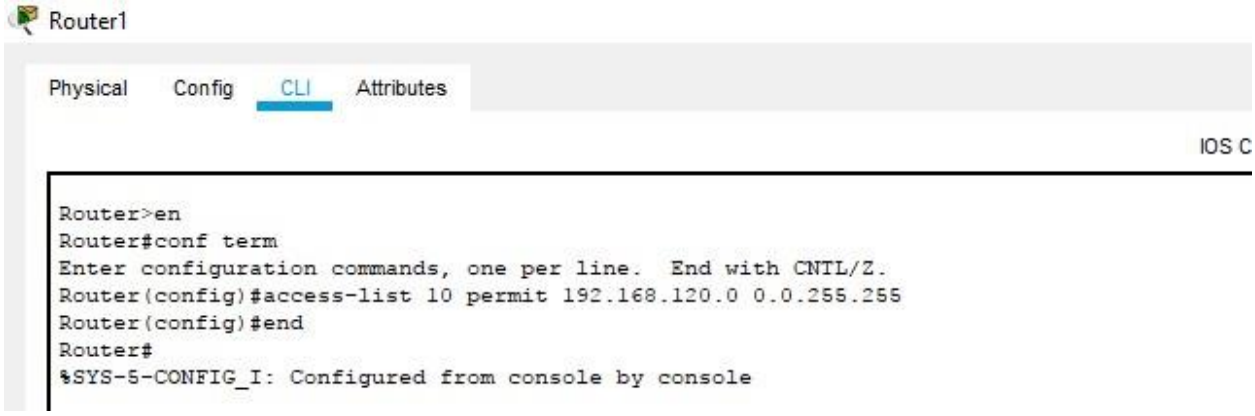
5.



6. Ping dari pc 1 ke pc 4



7. Menentukan access list pada router 1



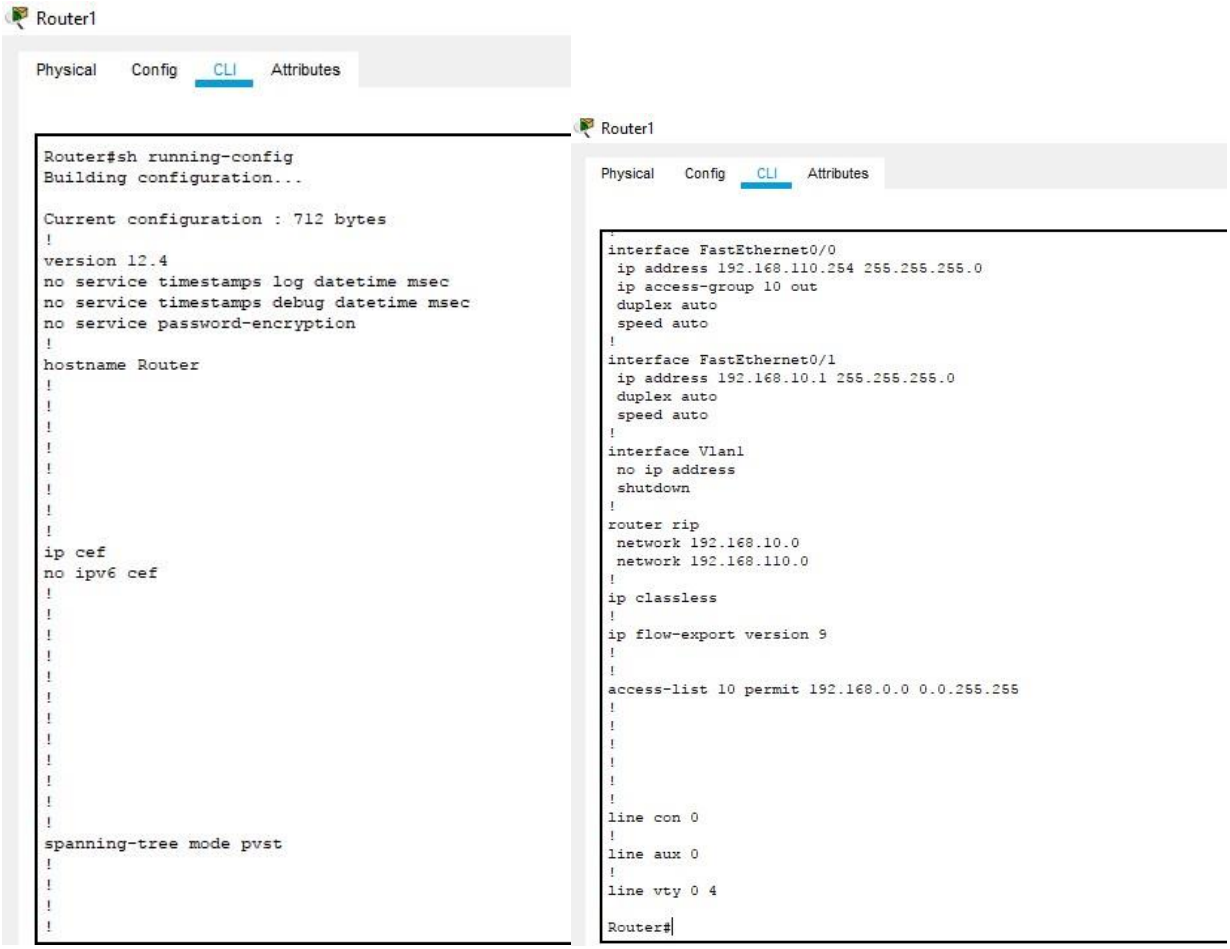
8. Menerapkan access list ke interface router 1

```
Router#conf term
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#int fa 0/0
Router(config-if)#ip access-group 10 out
Router(config-if)#^Z
                  ^
% Invalid input detected at '^' marker.

Router(config-if)#end
Router#
%SYS-5-CONFIG_I: Configured from console by console
```

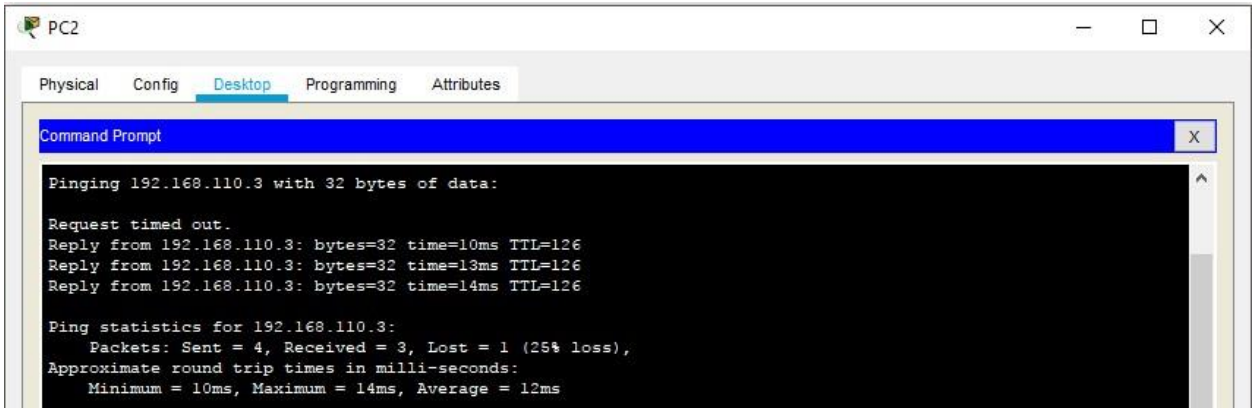
9. Lihat konfig access list router 1

```
Router#sh access-lists
Standard IP access list 10
    10 permit 192.168.0.0 0.0.255.255
```

10. Show running config



11. Melakukan ping dua arah antara PC 3 dan PC 1



12. Berikan akses hanya pada satu host (PC 4).

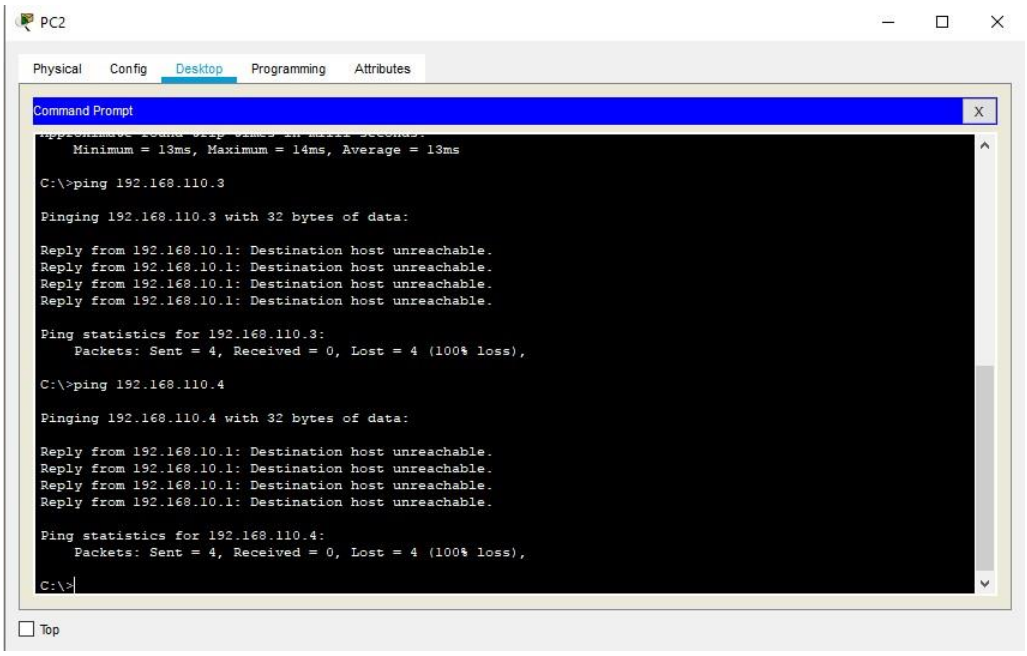
```
Router>en
Router#conf term
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#access-list 20 permit 192.168.120.4 0.0.0.0
Router(config)#end
Router#
%SYS-5-CONFIG_I: Configured from console by console
```

```
Router#conf term
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#fa 0/0
                  ^
% Invalid input detected at '^' marker.

Router(config)#int fa 0/0
Router(config-if)#ip access-group 20 out
Router(config-if)#end
Router#
%SYS-5-CONFIG_I: Configured from console by console
```

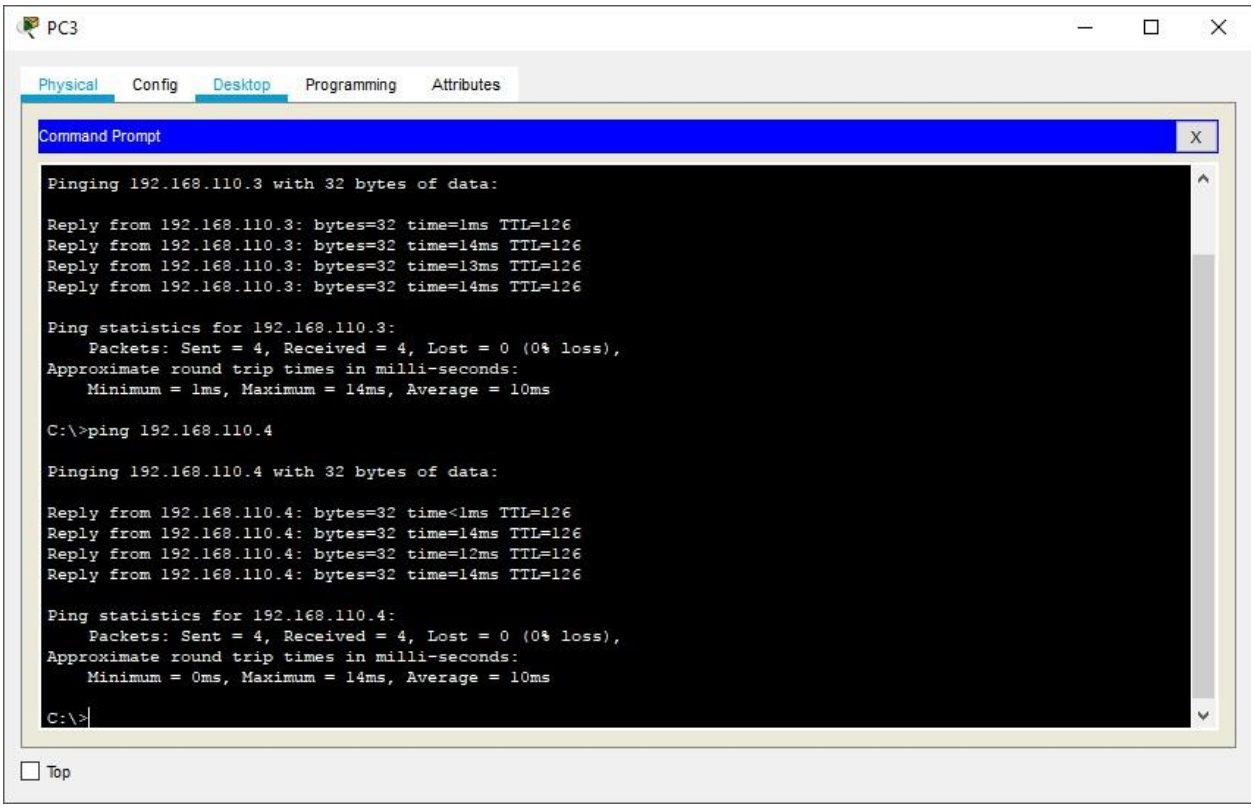
13. Meneerapkan access list 20 tersebut pada interface Ethernet pada Router.

```
Router#sh access-lists
Standard IP access list 10
    10 permit 192.168.0.0 0.0.255.255 (8 match(es))
Standard IP access list 20
    10 permit host 192.168.120.4

Router#
```

14. Melakukan ping dari pc 3 ke pc 1 dan 2



15. Melakukan ping dari pc 4 ke pc 1 dan 2



KEGIATAN 2

1. Konfigurasi extended access-list

```
Router>en
Router#conf term
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#access-list 100 permit tcp 192.168.120.0 0.0.0.255 192.168.110.3 0.0.0.0 eq telnet
Router(config)#end
Router#
%SYS-5-CONFIG_I: Configured from console by console
```

2. Menerapkan access list tersebut ke interface router

```
Router#conf term
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#int fa 0/1
Router(config-if)#ip access-group 100 in
Router(config-if)#end
Router#
%SYS-5-CONFIG_I: Configured from console by console
```