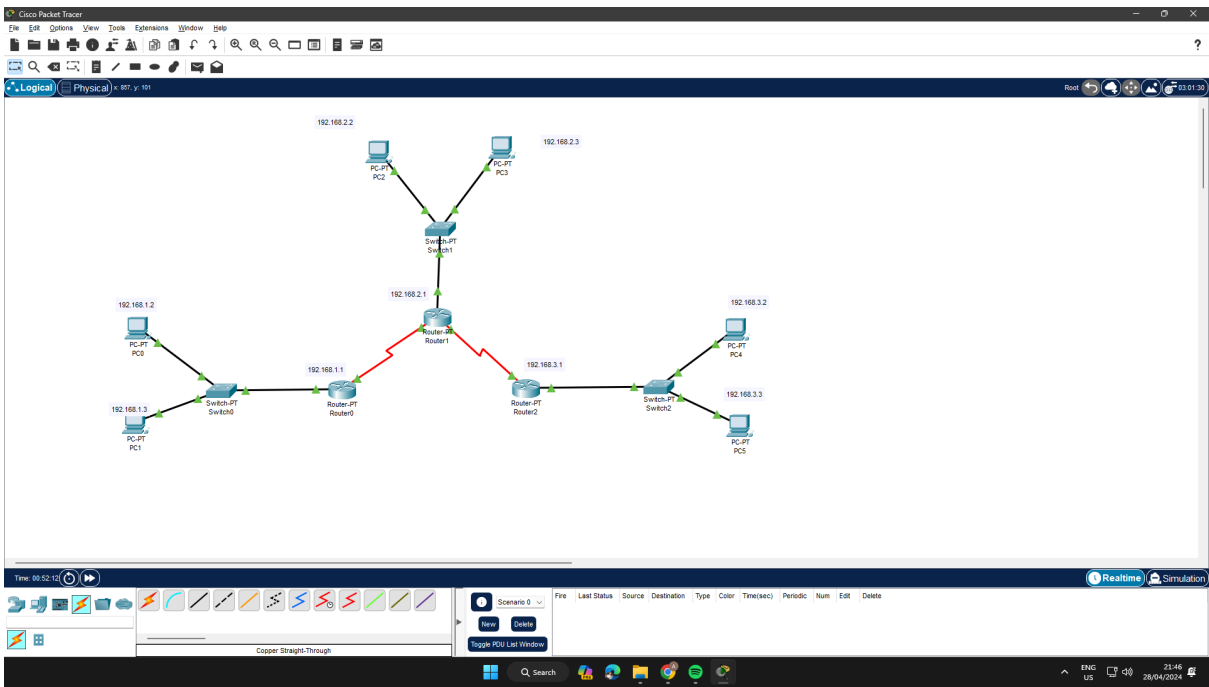Tugas Praktikum Jaringan Komputer

Nama : Agil Deriansyah Hasan
Nim : 4522210125

Dosen Pengajar :

Bambang Riono Arsad , S.Kom., MMSI
Prak. Jaringan Komputer - G

S1-Teknik Informatika
Fakultas Teknik
Universitas Pancasila 2023/2024
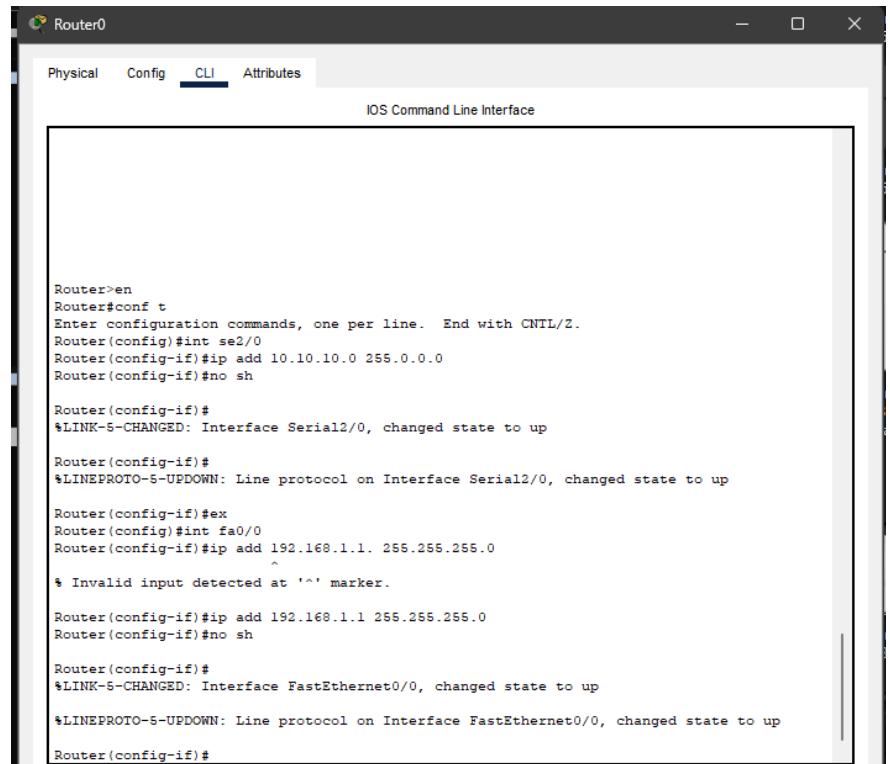
Topologi 3 Router, 3 Switch, dan 6 PC

Device	IPv4 Address	Subnet Mask	Default Gateway
PC-PT PC0	192.168.1.2	255.255.255.0	192.168.1.1
PC-PT PC1	192.168.1.3	255.255.255.0	192.168.1.1
PC-PT PC2	192.168.2.2	255.255.255.0	192.168.2.1
PC-PT PC3	192.168.2.3	255.255.255.0	192.168.2.1
PC-PT PC4	172.16.1.2	255.255.255.0	172.16.1.1
PC-PT PC5	172.16.1.3	255.255.255.0	172.16.1.1
Switch-PT Switch0			
Switch-PT Switch1			
Switch-PT Switch2			

Device	FastEthernet 0/0	Serial 2/0	Serial 3/0
Router-PT Router0	192.168.1.1	10.10.10.0	
Router-PT Router1	192.168.2.1	10.10.10.0	20.20.20.0
Router-PT Router2	172.16.1.1		20.20.20.0

Statis	
Router0	
Router1	

Router0 CLI:

```
Router>en
Router#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#int se2/0
Router(config-if)#ip add 10.10.10.0 255.0.0.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up

Router(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up

Router(config-if)#ex
Router(config)#int fa0/0
Router(config-if)#ip add 192.168.1.1. 255.255.255.0
                                      ^
% Invalid input detected at '^' marker.

Router(config-if)#ip add 192.168.1.1 255.255.255.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#
```
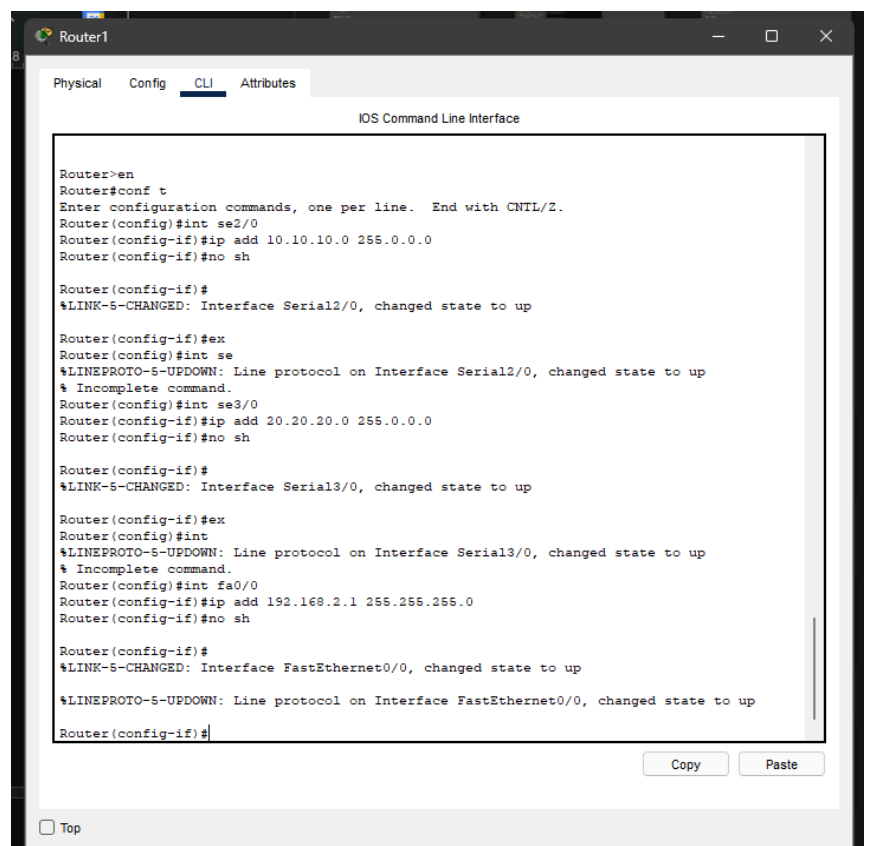
Router1 CLI:

```
Router>en
Router#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#int se2/0
Router(config-if)#ip add 10.10.10.0 255.0.0.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface Serial2/0, changed state to up

Router(config-if)#ex
Router(config)#int se
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial2/0, changed state to up
% Incomplete command.
Router(config)#int se3/0
Router(config-if)#ip add 20.20.20.0 255.0.0.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface Serial3/0, changed state to up

Router(config-if)#ex
Router(config)#int
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up
% Incomplete command.
Router(config)#int fa0/0
Router(config-if)#ip add 192.168.2.1 255.255.255.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#
```
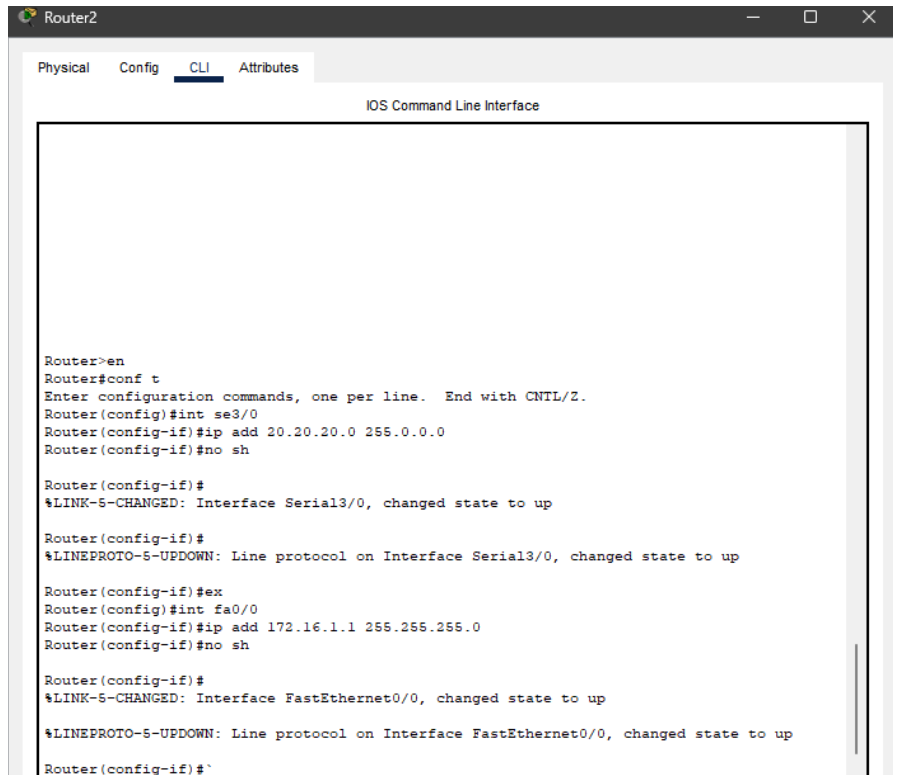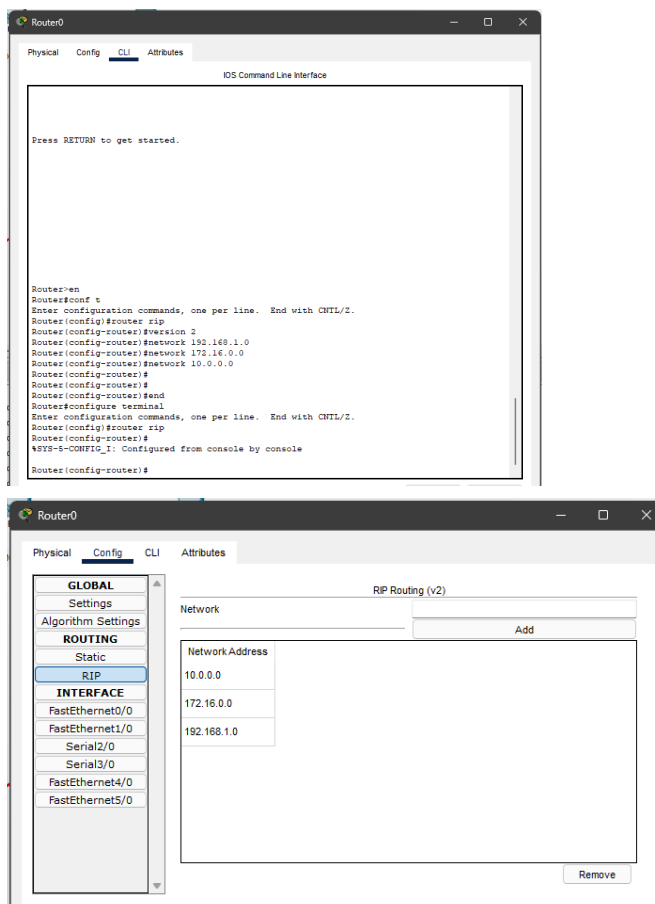
Router2	

Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int se3/0
Router(config-if)#ip add 20.20.20.0 255.0.0.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface Serial3/0, changed state to up

Router(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial3/0, changed state to up

Router(config-if)#ex
Router(config)#int fa0/0
Router(config-if)#ip add 172.16.1.1 255.255.255.0
Router(config-if)#no sh

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up

Router(config-if)#`

Dinamis

Router0	

Press RETURN to get started.

Router>en
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#version 2
Router(config-router)#network 192.168.1.0
Router(config-router)#network 172.16.0.0
Router(config-router)#network 10.0.0.0
Router(config-router)#
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#router rip
Router(config-router)#
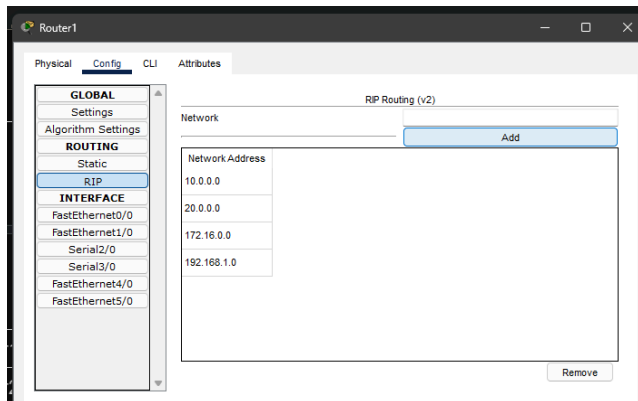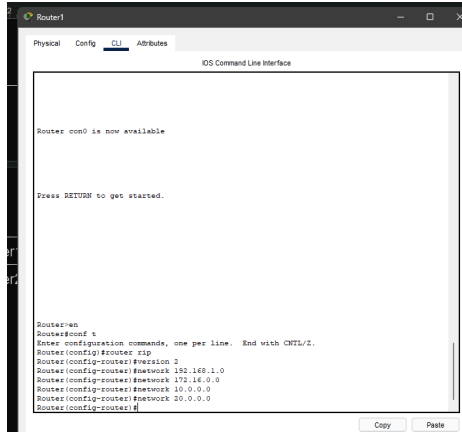%SYS-5-CONFIG_I: Configured from console by console

Router(config-router)#

Router1	
Router2	

Hasil