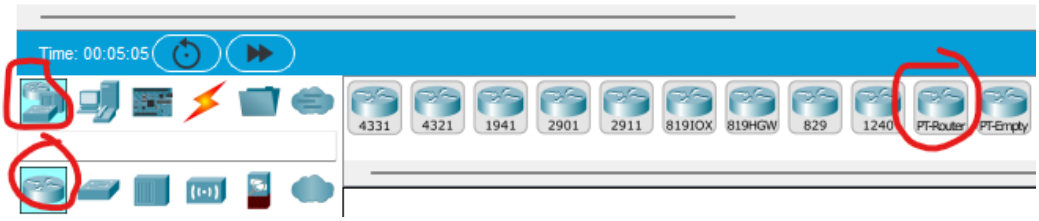
Nama: **Kinari Gisella WP** **NIM:** 065xxxx **Kelompok:** XXX		**MODUL 7** **Nama Dosen :** **Gatot Budi Santoso** **Adrian Sjamsul Qomar**
Hari/Tanggal : 11 Oktober 2021	**Praktikum Jaringan Komputer**	**Nama Asisten Labratorium :** **1. Annur Hangga Prihadi** **2. Harfansa Nasrullah** **3. Faiz Kumara** **4. Uray Asyifa**

Jaringan Statis

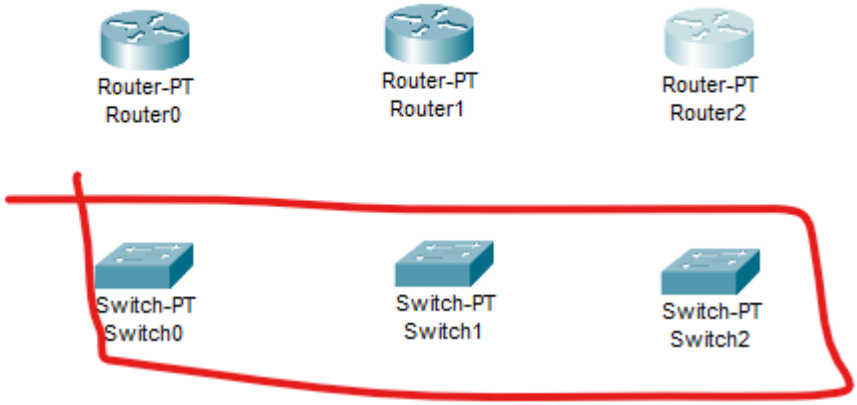
1. **Teori Singkat**
   Ambil teori singkat dari Google ya

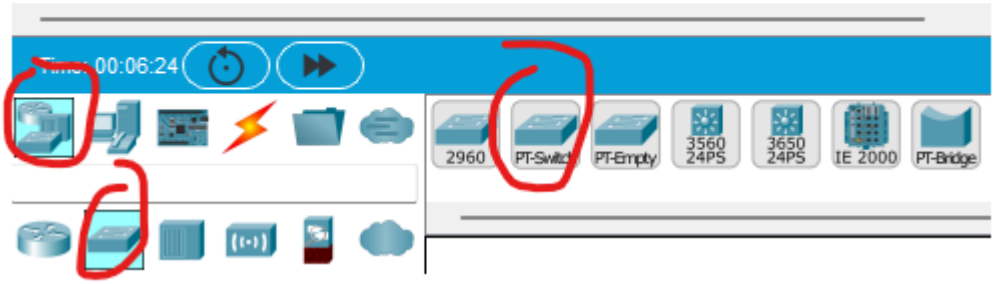
2. **Alat dan Bahan**
   2.1. Hardware: Laptop atau PC
   2.2. Software: Cisco Packet Tracer

3. **Elemen Kompetensi**
   3.1. Pre-Praktikum
   3.1.1. Buka Cisco Packet Tracer kalian
   3.1.2. Pilih router sesuai pada gambar sebanyak 3 buah

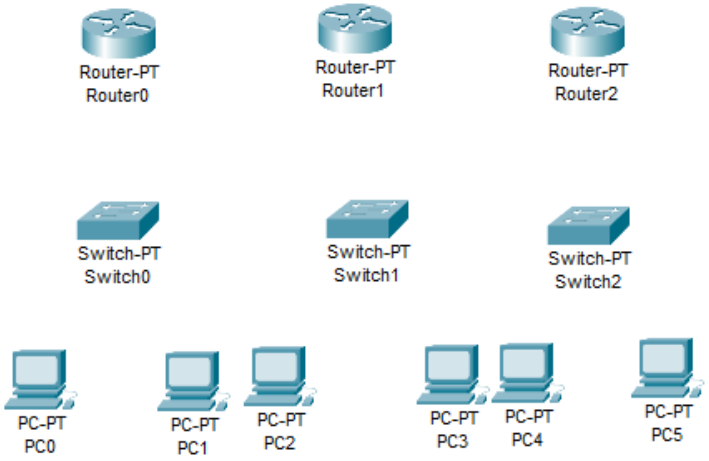


3.1.3. Pilih switch sesuai pada gambar sebanyak 3 buah

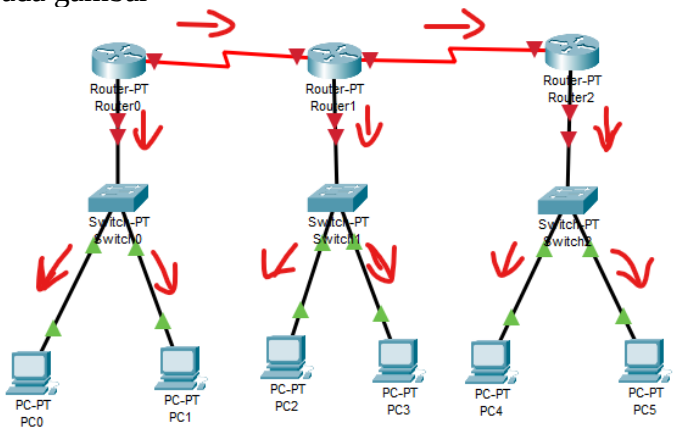




3.1.4. Pilih 6 PC dan susun topologinya sesuai dengan kehendak kalian



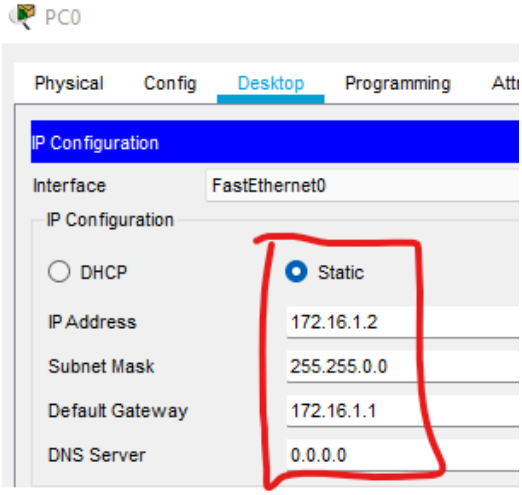
3.1.5. Pilih Automatic Cable lalu sambungkan ke masing-masing komponen sesuai pada gambar



3.2. Setting PC

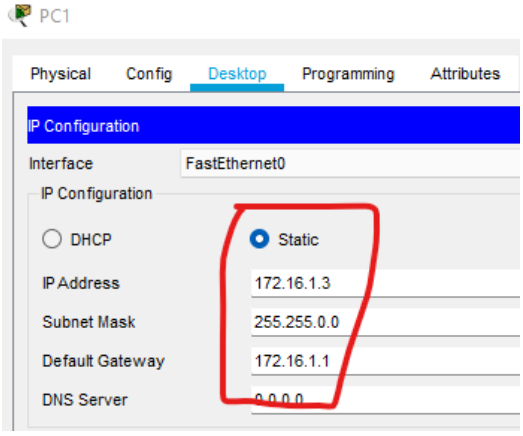
3.2.1. Masuk ke PC0 > Desktop > IP Configuration dan lakukan langkah berikut

a. Isi IP Address dengan 172.16.1.2
b. Isi Subnet Mask dengan 255.255.0.0
c. Isi Default Gateway dengan 172.16.1.1



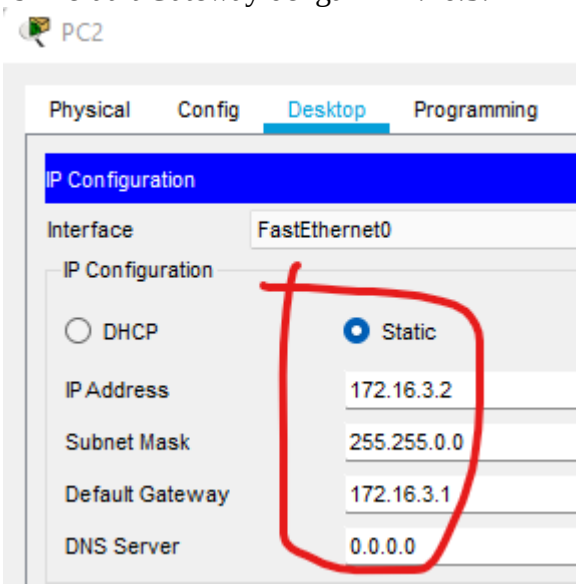
3.2.2. Masuk ke PC1 > Desktop > IP Configuration dan lakukan langkah berikut

a. Isi IP Address dengan 172.16.1.3
b. Isi Subnet Mask dengan 255.255.0.0
c. Isi Default Gateway dengan 172.16.1.1



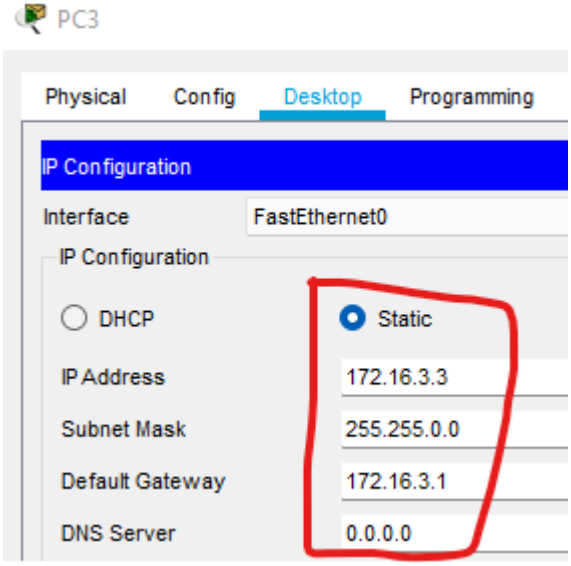
3.2.3. Masuk ke PC2 > Desktop > IP Configuration dan lakukan langkah berikut

a. Isi IP Address dengan 172.16.3.2
b. Isi Subnet Mask dengan 255.255.0.0
c. Isi Default Gateway dengan 172.16.3.1



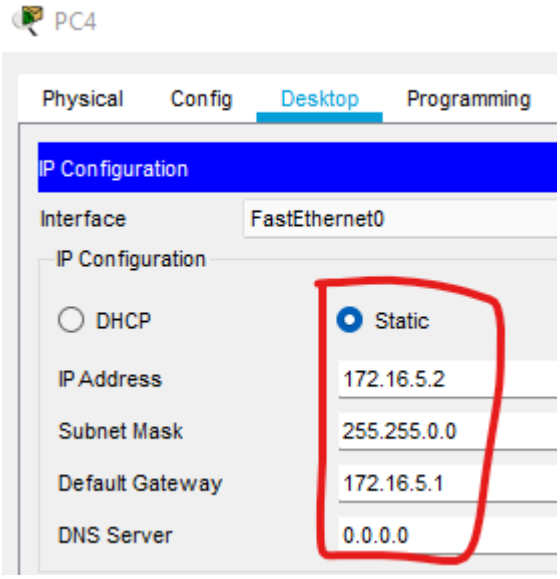
3.2.4. Masuk ke PC3 > Desktop > IP Configuration dan lakukan langkah berikut

a. Isi IP Address dengan 172.16.3.3
b. Isi Subnet Mask dengan 255.255.0.0
c. Isi Default Gateway dengan 172.16.3.1



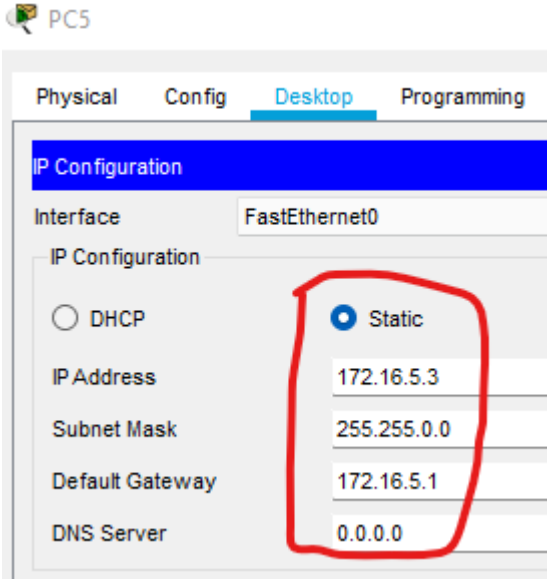
3.2.5. Masuk ke PC4 > Desktop > IP Configuration dan lakukan langkah berikut

a. Isi IP Address dengan 172.16.5.2
b. Isi Subnet Mask dengan 255.255.0.0
c. Isi Default Gateway dengan 172.16.5.1



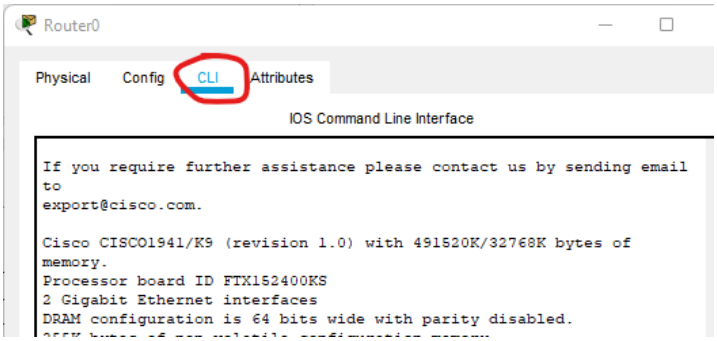
3.2.6. Masuk ke PC5 > Desktop > IP Configuration dan lakukan langkah berikut

a. Isi IP Address dengan 172.16.5.3
b. Isi Subnet Mask dengan 255.255.0.0
c. Isi Default Gateway dengan 172.16.5.1



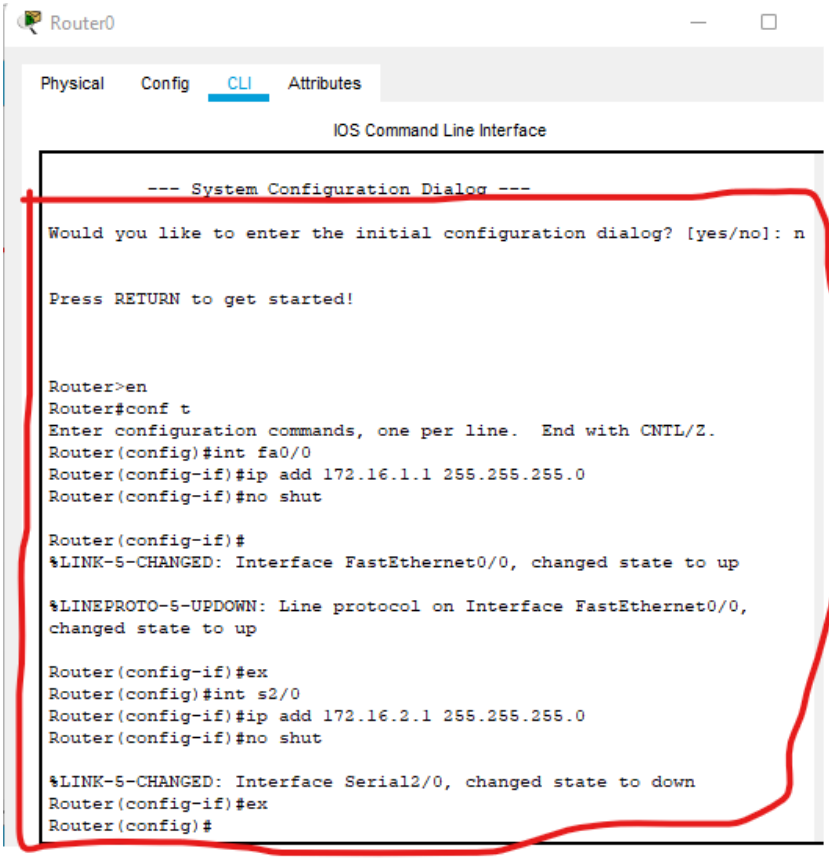
3.3. Setting Router

3.3.1. Masuk ke Router0 > CLI

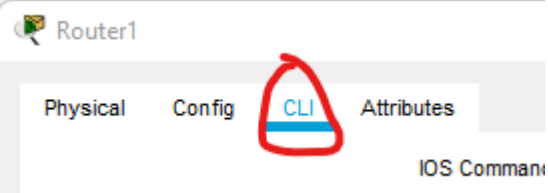


3.3.2. Ketik langkah berikut

Would you like to enter the initial configuration dialog?	n
Press Return to get started!	"Tekan" enter pada keyboard
Router>	en
Router#	conf t
Router (config)#	int fa0/0
Router (config-if)#	ip add 172.16.1.1 255.255.255.0
Router (config-if)#	no shut
Router (config-if)#	ex
Router (config)#	int s2/0
Router (config-if)#	ip add 172.16.2.1 255.255.255.0
Router (config-if)#	no shut
Router (config-if)#	ex

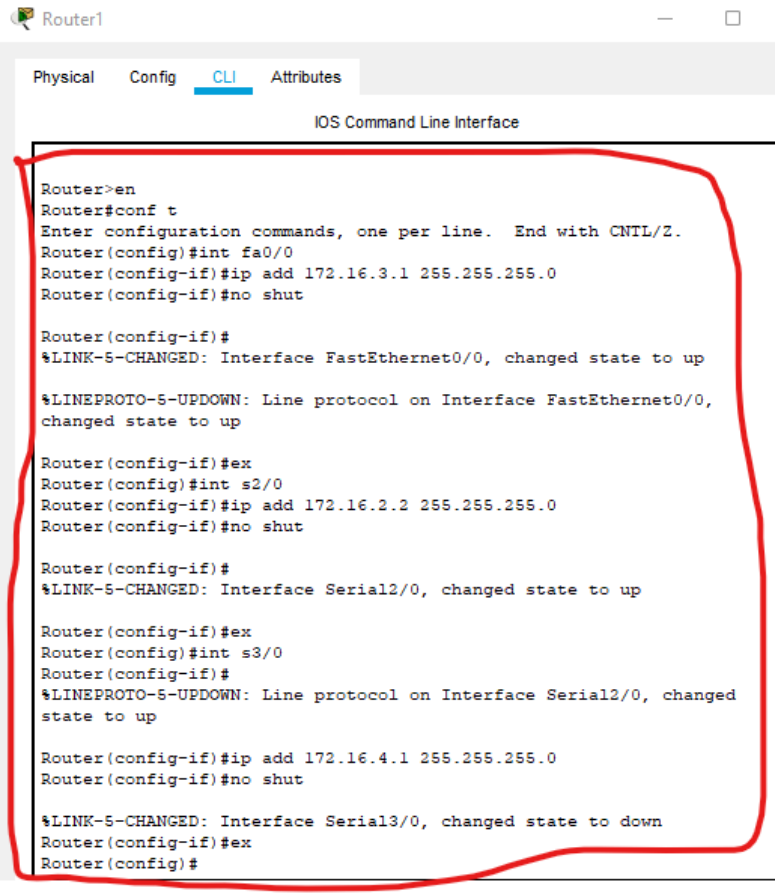


3.3.3. Masuk ke Router1 > CLI



3.3.4. Ketik langkah berikut

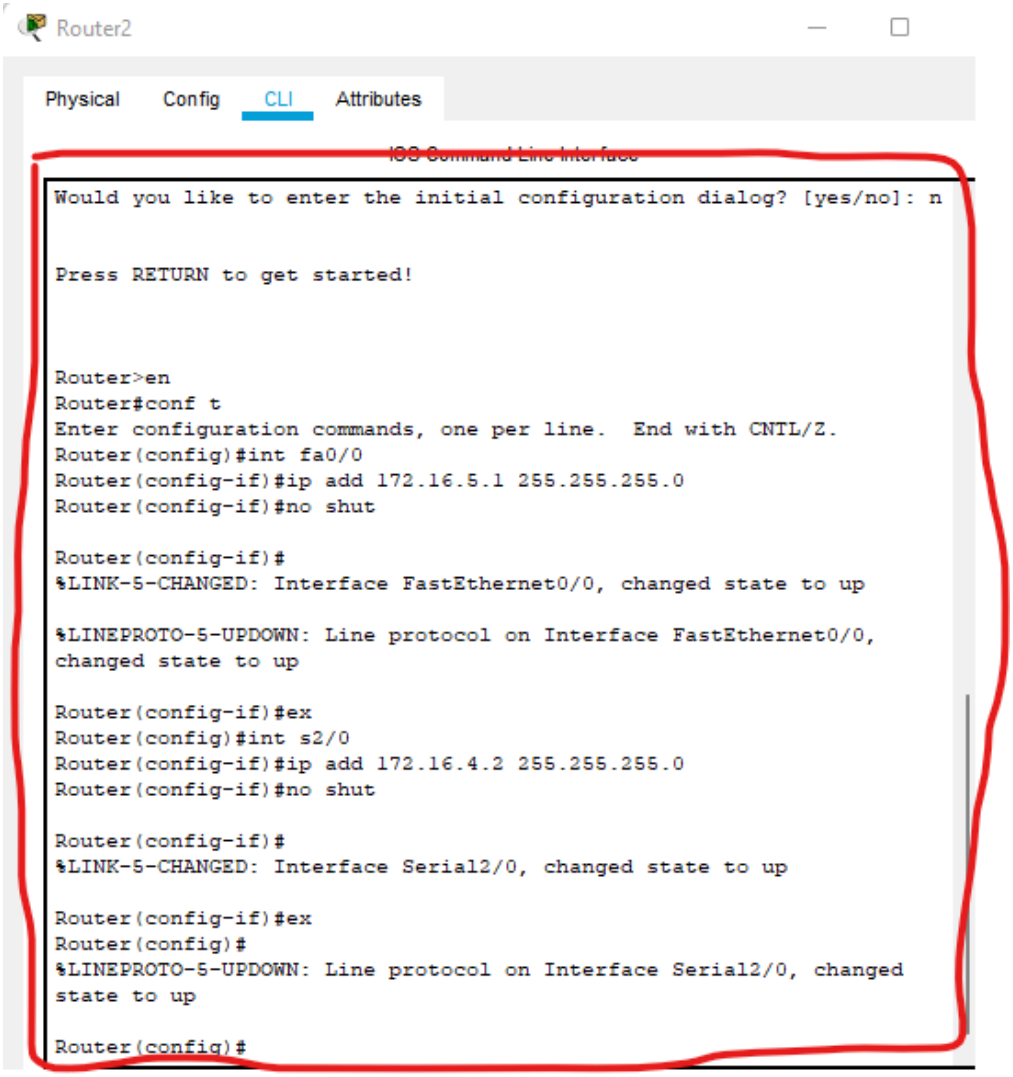
Would you like to enter the initial configuration dialog?	n
Press Return to get started!	"Tekan" enter pada keyboard
Router>	en
Router#	conf t
Router (config)#	int fa0/0
Router (config-if)#	ip add 172.16.3.1 255.255.255.0
Router (config-if)#	no shut
Router (config-if)#	ex
Router (config)#	int s2/0
Router (config-if)#	ip add 172.16.2.2 255.255.255.0
Router (config-if)#	no shut
Router (config-if)#	ex
Router (config)#	int s3/0
Router (config-if)#	ip add 172.16.4.1 255.255.255.0
Router (config-if)#	no shut
Router (config-if)#	Ex



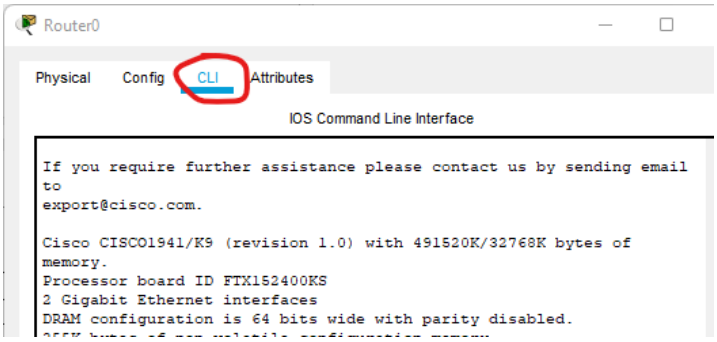
3.3.5. Masuk ke Router2 > CLI

3.3.6. Ketik langkah berikut

Would you like to enter the initial configuration dialog?	n
Press Return to get started!	"Tekan" enter pada keyboard
Router>	en
Router#	conf t
Router (config)#	int fa0/0
Router (config-if)#	ip add 172.16.5.1 255.255.255.0
Router (config-if)#	no shut
Router (config-if)#	Ex
Router (config)#	int s2/0
Router (config-if)#	ip add 172.16.4.2 255.255.255.0
Router (config-if)#	no shut
Router (config-if)#	ex



3.3.7. Masuk ke Router0 > CLI

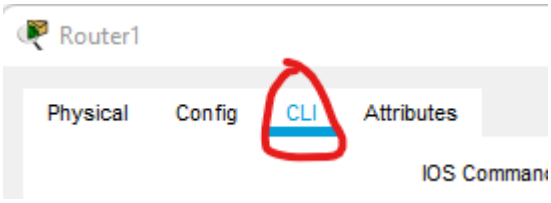


3.3.8. Ketik langkah berikut

Press Return to get started!	"Tekan" enter pada keyboard
Router>	en
Router#	conf t
Router (config)#	ip route 172.16.3.0 255.255.255.0 172.16.2.2
Router (config)#	ip route 172.16.5.0 255.255.255.0 172.16.2.2

```
Router(config)#ip route 172.16.3.0 255.255.255.0 172.16.2.2
Router(config)#ip route 172.16.5.0 255.255.255.0 172.16.2.2
Router(config)#
```

3.3.9. Masuk ke Router1 > CLI



3.3.10. Ketik langkah berikut

Press Return to get started!	"Tekan" enter pada keyboard
Router>	en
Router#	conf t
Router (config)#	ip route 172.16.1.0 255.255.255.0 172.16.2.1
Router (config)#	ip route 172.16.5.0 255.255.255.0 172.16.4.2

```
Router(config)#ip route 172.16.1.0 255.255.255.0 172.16.2.1
Router(config)#ip route 172.16.5.0 255.255.255.0 172.16.4.2
Router(config)#
```

3.3.11. Masuk ke Router2 > CLI

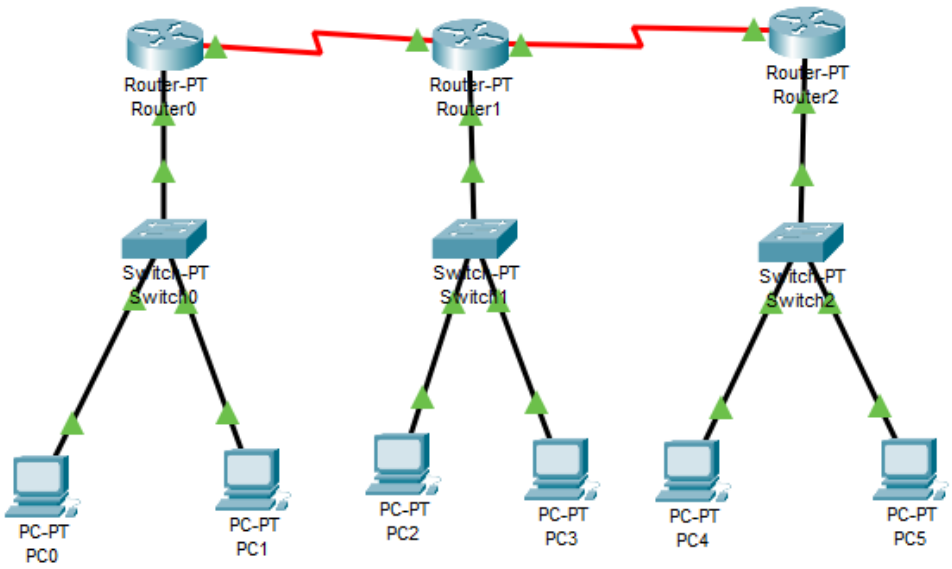
3.3.12. Ketik langkah berikut

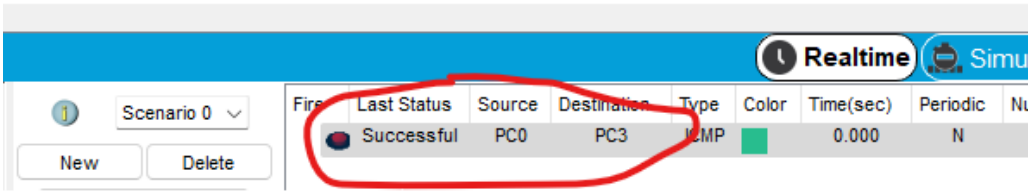
Press Return to get started!	"Tekan" enter pada keyboard
Router>	en
Router#	conf t
Router (config)#	ip route 172.16.1.0 255.255.255.0 172.16.4.1
Router (config)#	ip route 172.16.3.0 255.255.255.0 172.16.4.1

```
Router(config)#ip route 172.16.1.0 255.255.255.0 172.16.4.1
Router(config)#ip route 172.16.3.0 255.255.255.0 172.16.4.1
Router(config)#
```

3.4. Testing Jaringan

3.4.1. Kirim pesan dari PC0 ke PC3 (Jika hasilnya "Successful" maka pengaturan sudah benar)





4. **Simpulan**
   Isi simpulan sendiri ya (Minimal 4 baris)