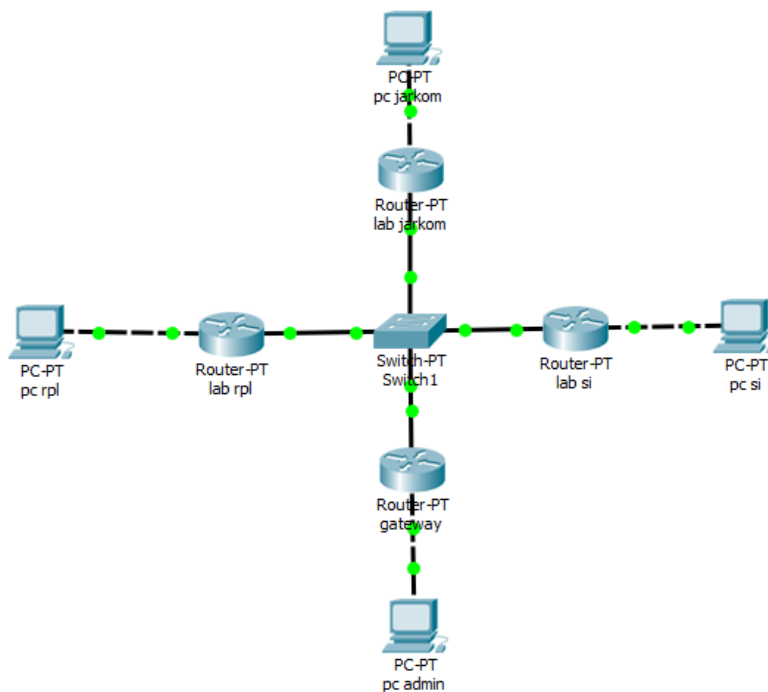Nama : Tasya Farah Putri A
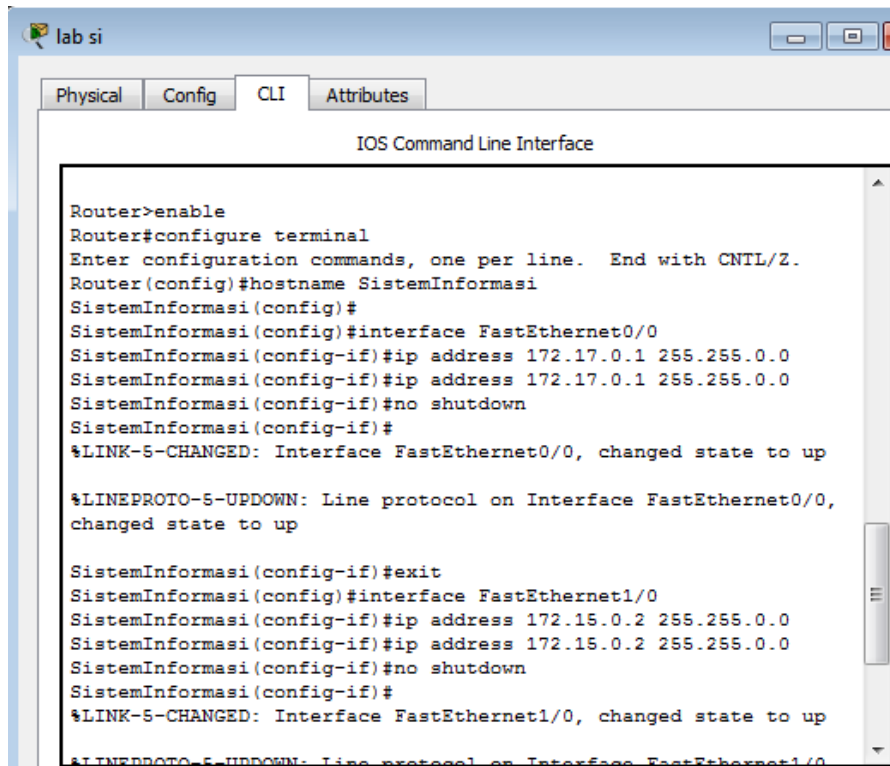
Kelas : D

NIM   : L200170146

Praktikum Jarkom – Modul 11

lab si

Physical | Config | CLI | Attributes

IOS Command Line Interface

```
Router>enable
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#hostname SistemInformasi
SistemInformasi(config)#
SistemInformasi(config)#interface FastEthernet0/0
SistemInformasi(config-if)#ip address 172.17.0.1 255.255.0.0
SistemInformasi(config-if)#ip address 172.17.0.1 255.255.0.0
SistemInformasi(config-if)#no shutdown
SistemInformasi(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

SistemInformasi(config-if)#exit
SistemInformasi(config)#interface FastEthernet1/0
SistemInformasi(config-if)#ip address 172.15.0.2 255.255.0.0
SistemInformasi(config-if)#ip address 172.15.0.2 255.255.0.0
SistemInformasi(config-if)#no shutdown
SistemInformasi(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet1/0
```
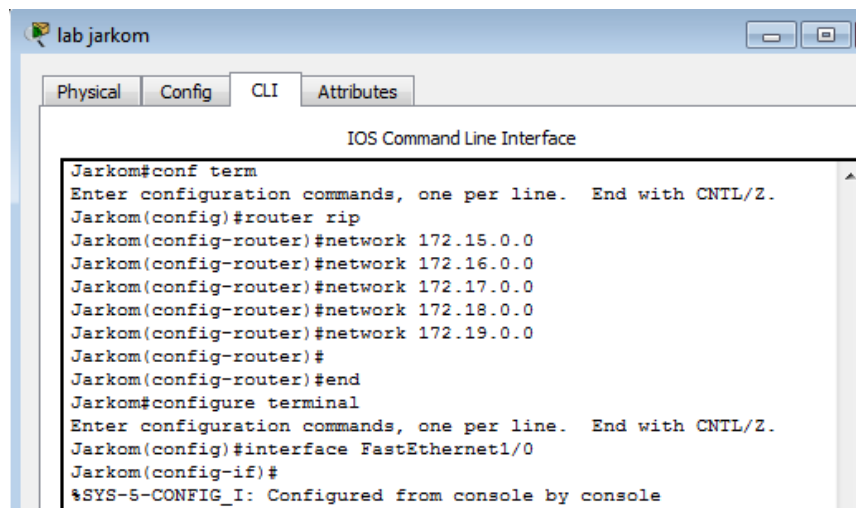

lab jarkom

Physical | Config | CLI | Attributes

IOS Command Line Interface

```
Jarkom#conf term
Enter configuration commands, one per line.  End with CNTL/Z.
Jarkom(config)#router rip
Jarkom(config-router)#network 172.15.0.0
Jarkom(config-router)#network 172.16.0.0
Jarkom(config-router)#network 172.17.0.0
Jarkom(config-router)#network 172.18.0.0
Jarkom(config-router)#network 172.19.0.0
Jarkom(config-router)#
Jarkom(config-router)#end
Jarkom#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Jarkom(config)#interface FastEthernet1/0
Jarkom(config-if)#
%SYS-5-CONFIG_I: Configured from console by console
```

gateway

Physical | **Config** | **CLI** | **Attributes**

IOS Command Line Interface

```
Router>enable
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#hostname UMS
UMS(config)#
UMS(config)#interface FastEthernet0/0
UMS(config-if)#ip address 172.19.0.1 255.255.0.0
UMS(config-if)#ip address 172.19.0.1 255.255.0.0
UMS(config-if)#no shutdown
UMS(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

UMS(config-if)#exit
UMS(config)#interface FastEthernet1/0
UMS(config-if)#ip address 172.15.0.4 255.255.0.0
UMS(config-if)#ip address 172.15.0.4 255.255.0.0
UMS(config-if)#no shutdown
UMS(config-if)#
%LINK-5-CHANGED: Interface FastEthernet1/0, changed state to up
```

lab rpl

Physical | **Config** | **CLI** | **Attributes**

IOS Command Line Interface

```
Router>enable
Router#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#hostname RPL
RPL(config)#
RPL(config)#interface FastEthernet0/0
RPL(config-if)#ip address 172.18.0.1 255.255.0.0
RPL(config-if)#ip address 172.18.0.1 255.255.0.0
RPL(config-if)#no shutdown
RPL(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

RPL(config-if)#exit
RPL(config)#interface Serial3/0
RPL(config-if)#
RPL(config-if)#exit
RPL(config)#interface FastEthernet1/0
RPL(config-if)#ip address 172.15.0.4 255.255.0.0
RPL(config-if)#ip address 172.15.0.4 255.255.0.0
RPL(config-if)#no shutdown
RPL(config-if)#
```
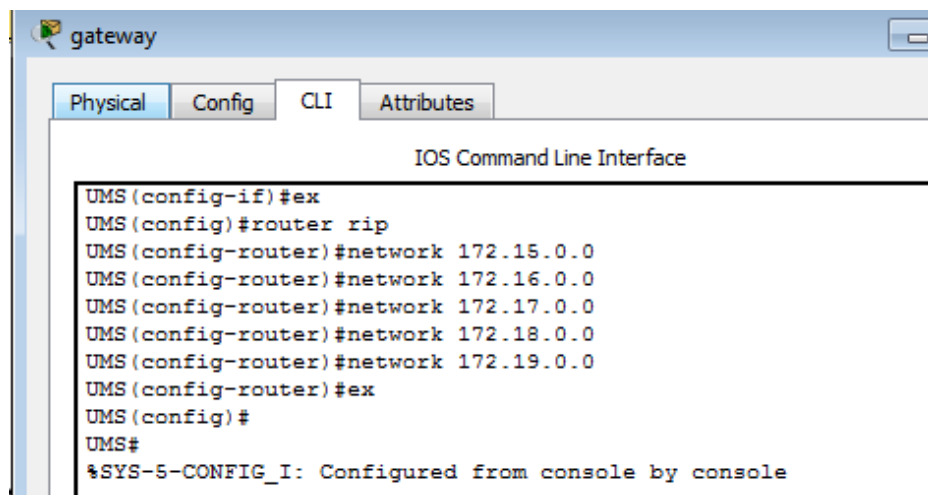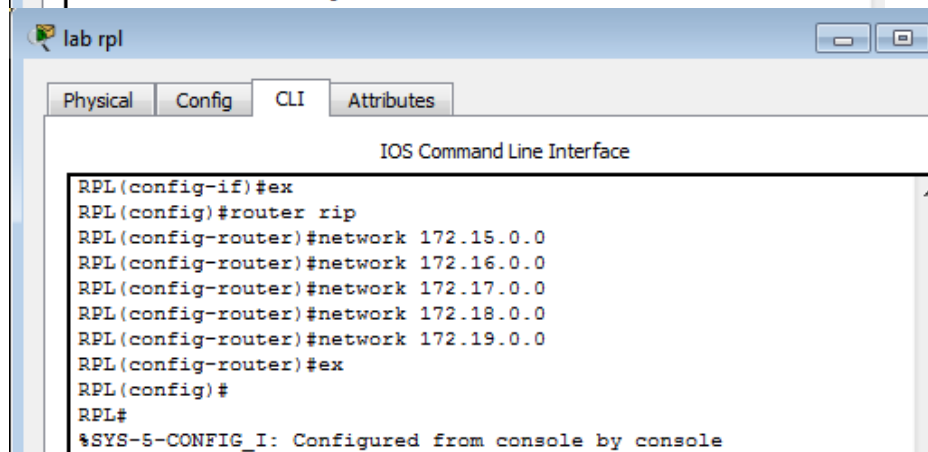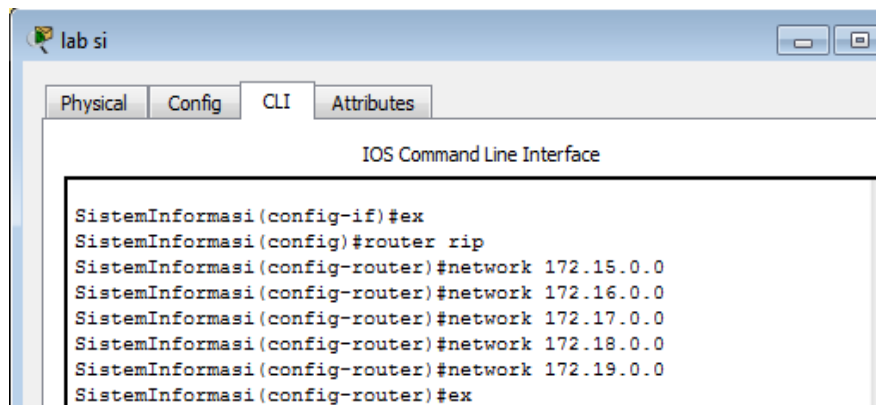
lab si

Physical | Config | CLI | Attributes

IOS Command Line Interface

```
SistemInformasi(config-if)#ex
SistemInformasi(config)#router rip
SistemInformasi(config-router)#network 172.15.0.0
SistemInformasi(config-router)#network 172.16.0.0
SistemInformasi(config-router)#network 172.17.0.0
SistemInformasi(config-router)#network 172.18.0.0
SistemInformasi(config-router)#network 172.19.0.0
SistemInformasi(config-router)#ex
```

lab rpl

Physical | Config | CLI | Attributes

IOS Command Line Interface

```
RPL(config-if)#ex
RPL(config)#router rip
RPL(config-router)#network 172.15.0.0
RPL(config-router)#network 172.16.0.0
RPL(config-router)#network 172.17.0.0
RPL(config-router)#network 172.18.0.0
RPL(config-router)#network 172.19.0.0
RPL(config-router)#ex
RPL(config)#
RPL#
%SYS-5-CONFIG_I: Configured from console by console
```

gateway

Physical | Config | CLI | Attributes

IOS Command Line Interface

```
UMS(config-if)#ex
UMS(config)#router rip
UMS(config-router)#network 172.15.0.0
UMS(config-router)#network 172.16.0.0
UMS(config-router)#network 172.17.0.0
UMS(config-router)#network 172.18.0.0
UMS(config-router)#network 172.19.0.0
UMS(config-router)#ex
UMS(config)#
UMS#
%SYS-5-CONFIG_I: Configured from console by console
```

pc jarkom

Physical | **Config** | **Desktop** | **Attributes** | **Software/Services**

IP Configuration

IP Configuration

○ DHCP   ● Static

IP Address   172.16.0.2

Subnet Mask   255.255.0.0

Default Gateway   172.15.0.1

DNS Server

---

pc si

Physical | **Config** | **Desktop** | **Attributes** | **Software/Services**

IP Configuration   X

IP Configuration

○ DHCP   ● Static

IP Address   172.17.0.2

Subnet Mask   255.255.0.0

Default Gateway   172.17.0.1

DNS Server

---

pc rpl

Physical | **Config** | **Desktop** | **Attributes** | **Software/Services**

IP Configuration

IP Configuration

○ DHCP   ● Static

IP Address   172.18.0.2

Subnet Mask   255.255.0.0

Default Gateway   172.18.0.1

DNS Server

pc admin

Physical | Config | Desktop | Attributes | Software/Services

IP Configuration

IP Configuration

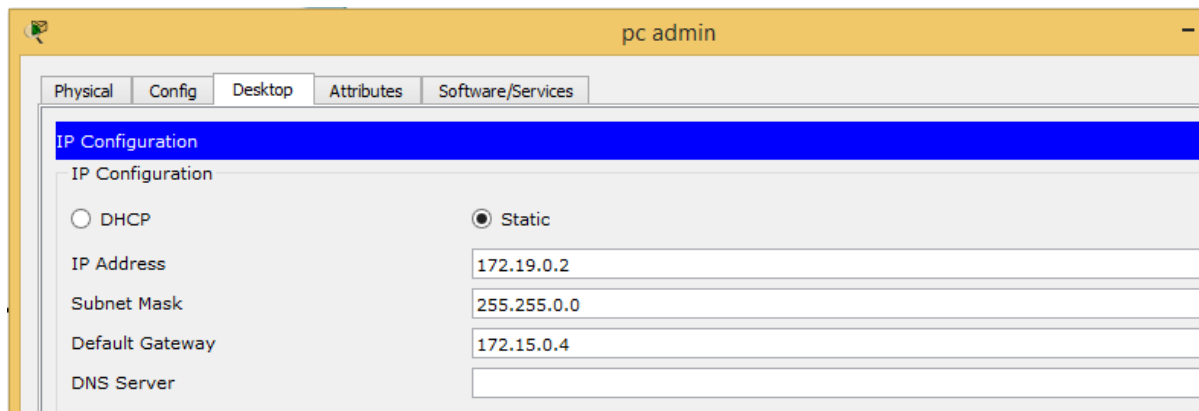○ DHCP   ● Static

IP Address   172.19.0.2

Subnet Mask   255.255.0.0

Default Gateway   172.15.0.4

DNS Server


```
C:\>ping 172.16.0.2

Pinging 172.16.0.2 with 32 bytes of data:

Reply from 172.16.0.2: bytes=32 time=1ms TTL=126
Reply from 172.16.0.2: bytes=32 time<1ms TTL=126
Reply from 172.16.0.2: bytes=32 time<1ms TTL=126
Reply from 172.16.0.2: bytes=32 time<1ms TTL=126

Ping statistics for 172.16.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms
```



```
C:\>ping 172.17.0.2

Pinging 172.17.0.2 with 32 bytes of data:

Reply from 172.17.0.2: bytes=32 time<1ms TTL=126
Reply from 172.17.0.2: bytes=32 time<1ms TTL=126
Reply from 172.17.0.2: bytes=32 time=1ms TTL=126
Reply from 172.17.0.2: bytes=32 time<1ms TTL=126

Ping statistics for 172.17.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms
```



```
C:\>ping 172.18.0.2

Pinging 172.18.0.2 with 32 bytes of data:

Reply from 172.18.0.2: bytes=32 time=1ms TTL=126
Reply from 172.18.0.2: bytes=32 time=1ms TTL=126
Reply from 172.18.0.2: bytes=32 time<1ms TTL=126
Reply from 172.18.0.2: bytes=32 time<1ms TTL=126

Ping statistics for 172.18.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms
```