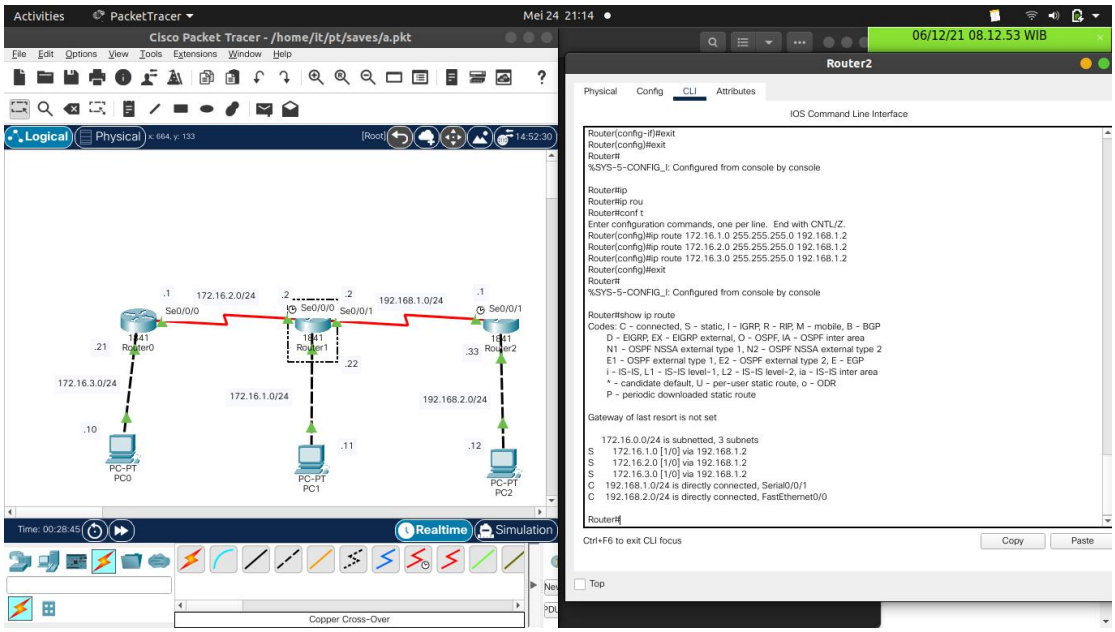
NAMA : Adi Saepul Anwar
NPM : 43A87006200129
MATKUL : JARKOM 2

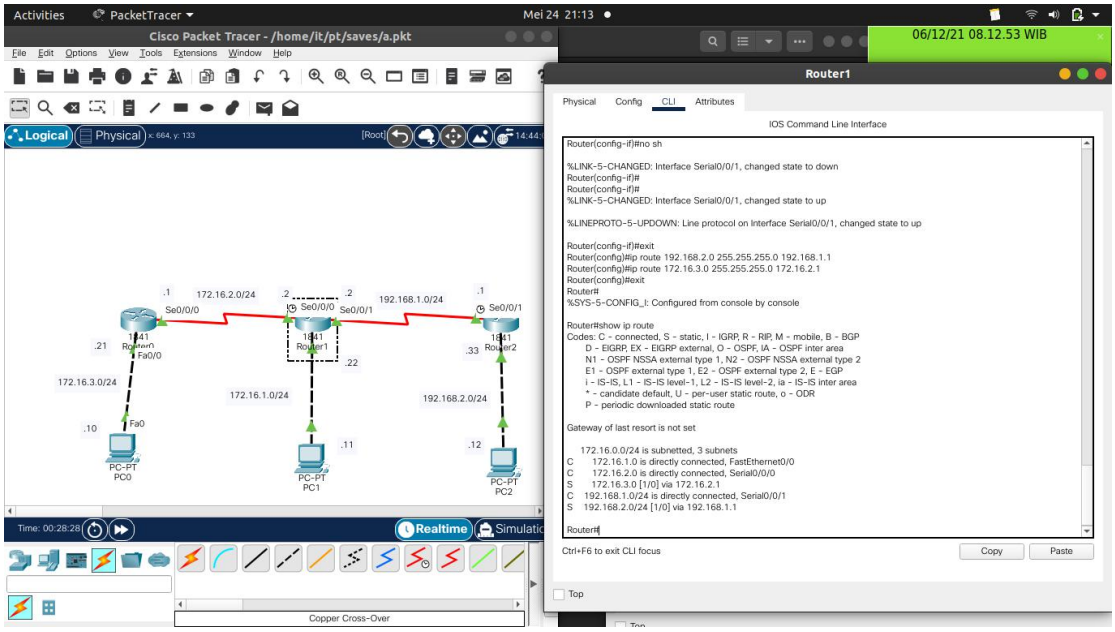
Jawaban Soal UTS Praktek

No 2.

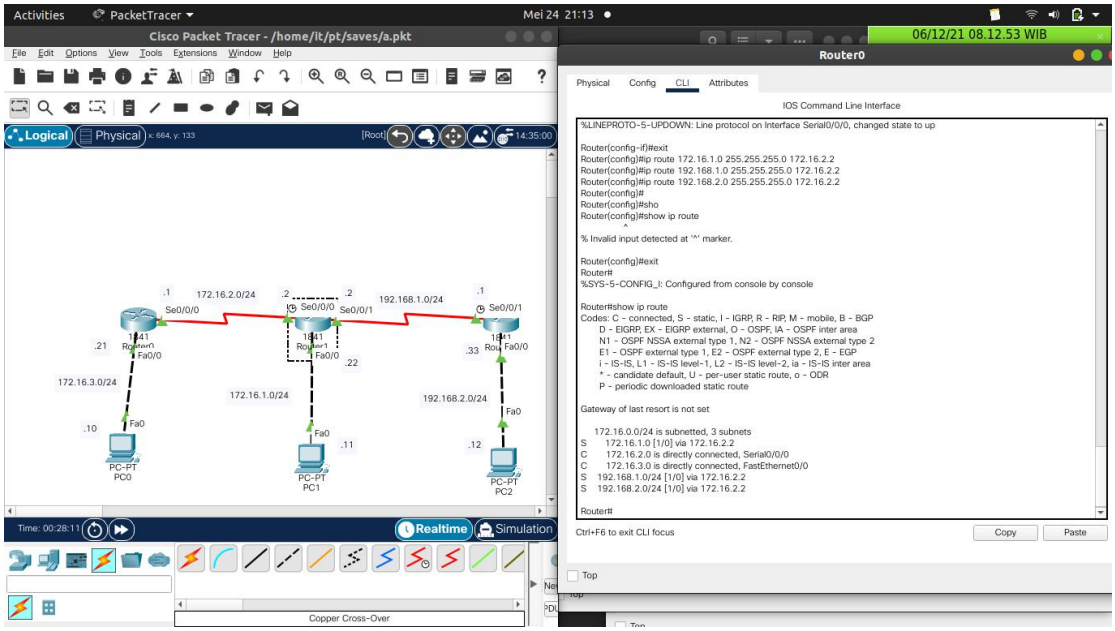
A. Isi routing table Router 2



B. Table routing Router 1

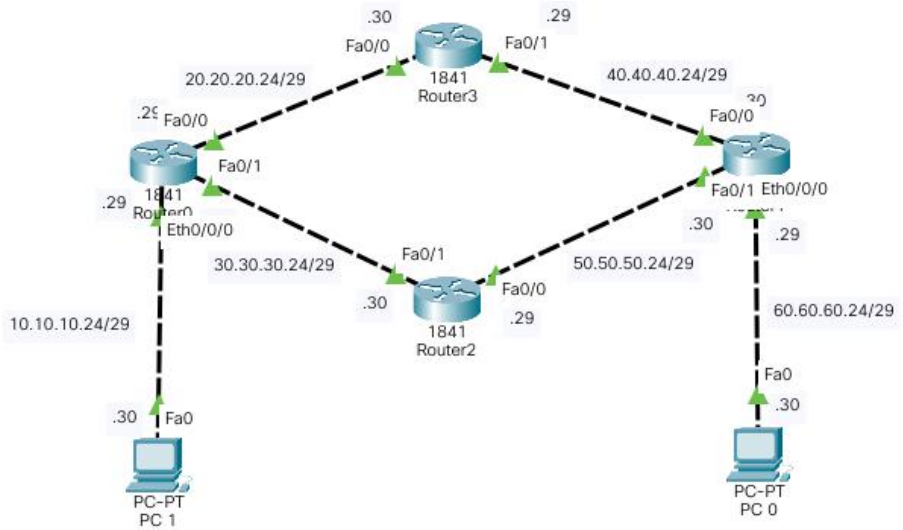


C. Table routing Router 0

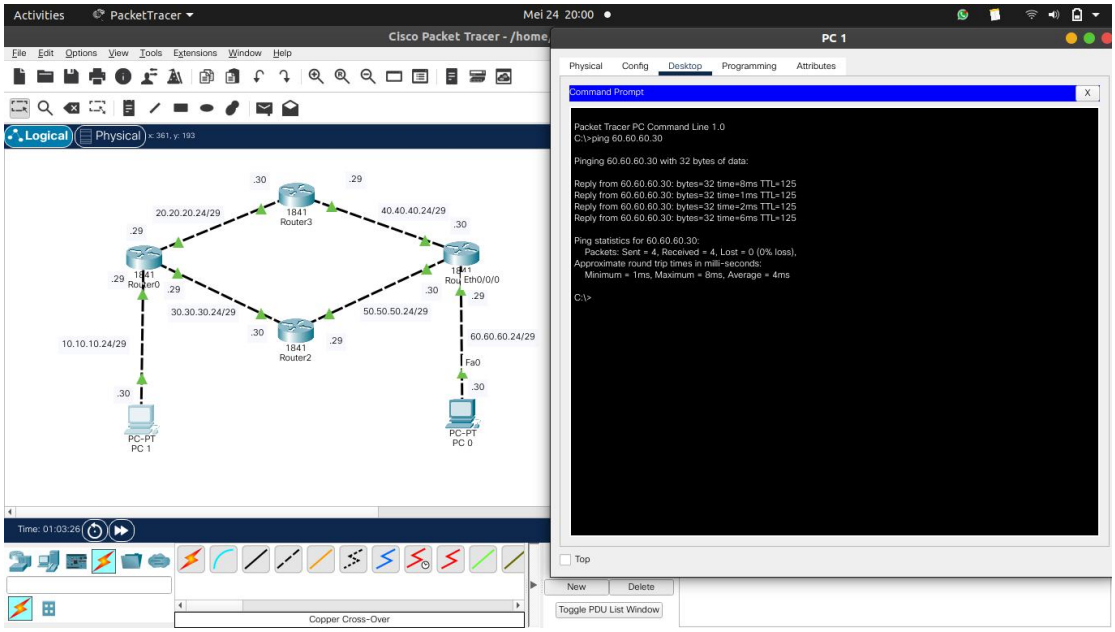


Soal B Praktek menyambungkan 2 PC

Topologi



Ping Ke PC 0



Ping Ke PC 1

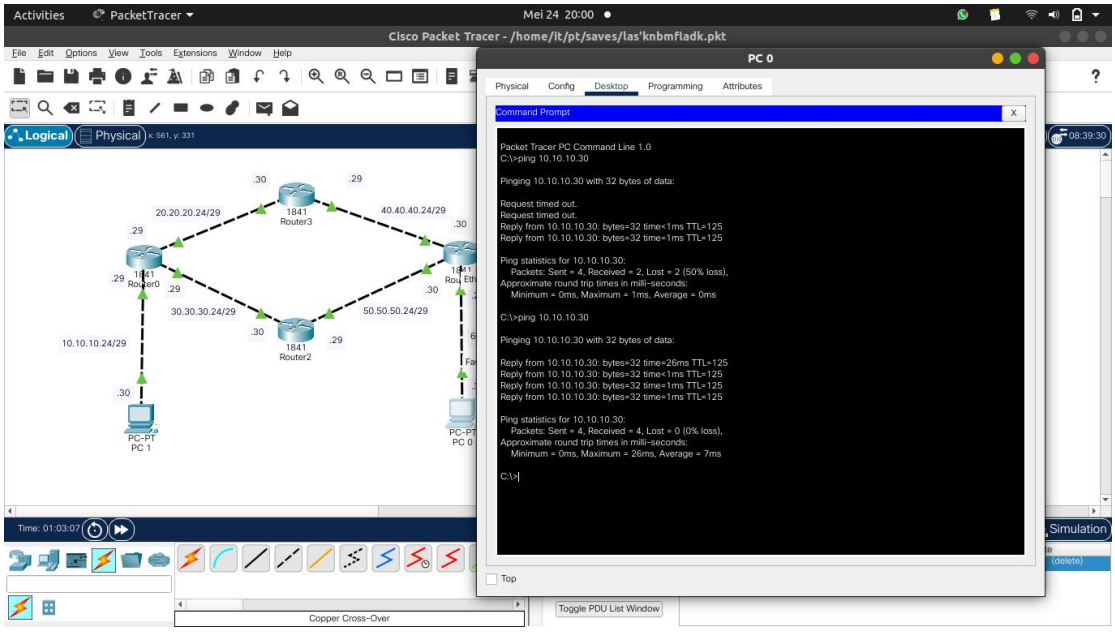
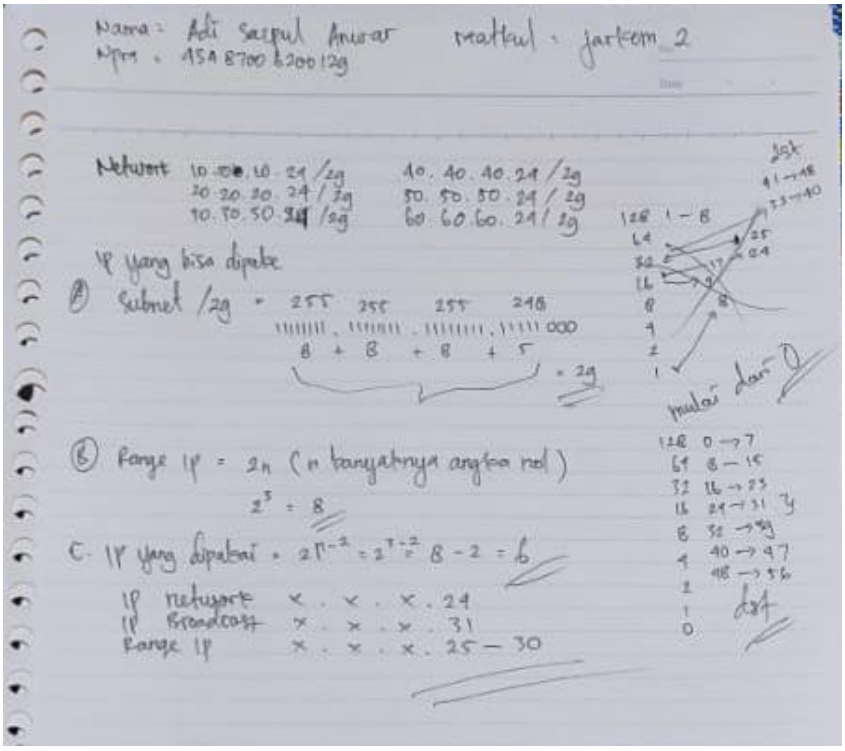


Table Routing

Router 0	Router 1	Router 2	Router 3
10.0.0.0/29 is subnetted, 1 subnets C 10.10.10.24 is directly connected, Ethernet0/0/0 20.0.0.0/29 is subnetted, 1 subnets C 20.20.20.24 is directly connected, FastEthernet0/0 30.0.0.0/29 is subnetted, 1 subnets C 30.30.30.24 is directly connected, FastEthernet0/1 40.0.0.0/29 is subnetted, 1 subnets S 40.40.40.24 [1/0] via 20.20.20.30 50.0.0.0/29 is subnetted, 1 subnets S 50.50.50.24 [1/0] via 30.30.30.30 60.0.0.0/29 is subnetted, 1 subnets S 60.60.60.24 [1/0] via 20.20.20.30 [1/0] via 30.30.30.30	10.0.0.0/29 is subnetted, 1 subnets S 10.10.10.24 [1/0] via 40.40.40.29 [1/0] via 50.50.50.29 20.0.0.0/29 is subnetted, 1 subnets S 20.20.20.24 [1/0] via 40.40.40.29 30.0.0.0/29 is subnetted, 1 subnets S 30.30.30.24 [1/0] via 50.50.50.29 40.0.0.0/29 is subnetted, 1 subnets C 40.40.40.24 is directly connected, FastEthernet0/0 50.0.0.0/29 is subnetted, 1 subnets C 50.50.50.24 is directly connected, FastEthernet0/1 60.0.0.0/29 is subnetted, 1 subnets C 60.60.60.24 is directly connected, Ethernet0/0/0	10.0.0.0/29 is subnetted, 1 subnets S 10.10.10.24 [1/0] via 30.30.30.29 20.0.0.0/29 is subnetted, 1 subnets S 20.20.20.24 [1/0] via 30.30.30.29 30.0.0.0/29 is subnetted, 1 subnets C 30.30.30.24 is directly connected, FastEthernet0/1 40.0.0.0/29 is subnetted, 1 subnets S 40.40.40.24 [1/0] via 50.50.50.30 50.0.0.0/29 is subnetted, 1 subnets C 50.50.50.24 is directly connected, FastEthernet0/0 60.0.0.0/29 is subnetted, 1 subnets S 60.60.60.24 [1/0] via 50.50.50.30	10.0.0.0/29 is subnetted, 1 subnets S 10.10.10.24 [1/0] via 20.20.20.29 20.0.0.0/29 is subnetted, 1 subnets C 20.20.20.24 is directly connected, FastEthernet0/0 30.0.0.0/29 is subnetted, 1 subnets S 30.30.30.24 [1/0] via 20.20.20.29 40.0.0.0/29 is subnetted, 1 subnets C 40.40.40.24 is directly connected, FastEthernet0/1 50.0.0.0/29 is subnetted, 1 subnets S 50.50.50.24 [1/0] via 40.40.40.30 60.0.0.0/29 is subnetted, 1 subnets S 60.60.60.24 [1/0] via 40.40.40.30

Penghitungan Subnet



Konfigurasi

Router 0

```
Router#show running-config
Building configuration...

Current configuration : 877 bytes
!
version 12.4
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname Router
!
!
!
!
!
!
!
!
no ip cef
no ipv6 cef
!
!
!
!
```

```
!
!
!
!
!
!
!
!
spanning-tree mode pvst
!
!
!
!
!
!
interface FastEthernet0/0
 ip address 20.20.20.29 255.255.255.248
 duplex auto
 speed auto
!
interface FastEthernet0/1
 ip address 30.30.30.29 255.255.255.248
 duplex auto
 speed auto
!
interface Ethernet0/0/0
 ip address 10.10.10.29 255.255.255.248
 duplex auto
 speed auto
!
interface Vlan1
 no ip address
 shutdown
!
ip classless
ip route 40.40.40.24 255.255.255.248 20.20.20.30
ip route 50.50.50.24 255.255.255.248 30.30.30.30
ip route 60.60.60.24 255.255.255.248 30.30.30.30
ip route 60.60.60.24 255.255.255.248 20.20.20.30
!
ip flow-export version 9
!
!
!
!
!
!
!
!
line con 0
!
line aux 0
!
line vty 0 4
 login
!
!
```

```
!
end
```

Router 1

```
Router#show running-config
Building configuration...

Current configuration : 877 bytes
!
version 12.4
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname Router
!
!
!
!
!
!
!
!
no ip cef
no ipv6 cef
!
!
!
!
!
!
!
!
!
!
!
!
spanning-tree mode pvst
!
!
!
!
!
!
interface FastEthernet0/0
 ip address 40.40.40.30 255.255.255.248
 duplex auto
 speed auto
!
interface FastEthernet0/1
 ip address 50.50.50.30 255.255.255.248
 duplex auto
 speed auto
!
interface Ethernet0/0/0
```

```
 ip address 60.60.60.29 255.255.255.248
 duplex auto
 speed auto
!
interface Vlan1
 no ip address
 shutdown
!
ip classless
ip route 10.10.10.24 255.255.255.248 50.50.50.29
ip route 10.10.10.24 255.255.255.248 40.40.40.29
ip route 20.20.20.24 255.255.255.248 40.40.40.29
ip route 30.30.30.24 255.255.255.248 50.50.50.29
!
ip flow-export version 9
!
!
!
!
!
!
!
!
line con 0
!
line aux 0
!
line vty 0 4
 login
!
!
!
end
```

Router 2

```
Router#show running-config
Building configuration...

Current configuration : 1249 bytes
!
version 12.4
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname Router
!
!
!
!
!
!
!
!
```

```
no ip cef
no ipv6 cef
!
!
!
!
!
!
!
!
!
!
!
!
spanning-tree mode pvst
!
!
!
!
!
!
interface FastEthernet0/0
 ip address 50.50.50.29 255.255.255.248
 duplex auto
 speed auto
!
interface FastEthernet0/1
 ip address 30.30.30.30 255.255.255.248
 duplex auto
 speed auto
!
interface FastEthernet0/0/0
 switchport mode access
 switchport nonegotiate
!
interface FastEthernet0/0/1
 switchport mode access
 switchport nonegotiate
!
interface FastEthernet0/0/2
 switchport mode access
 switchport nonegotiate
!
interface FastEthernet0/0/3
 switchport mode access
 switchport nonegotiate
!
interface Serial0/1/0
 no ip address
 clock rate 2000000
 shutdown
!
interface Serial0/1/1
 no ip address
 clock rate 2000000
 shutdown
!
```

```
interface Vlan1
 no ip address
 shutdown
!
ip classless
ip route 40.40.40.24 255.255.255.248 50.50.50.30
ip route 60.60.60.24 255.255.255.248 50.50.50.30
ip route 20.20.20.24 255.255.255.248 30.30.30.29
ip route 10.10.10.24 255.255.255.248 30.30.30.29
!
ip flow-export version 9
!
!
!
no cdp run
!
!
!
!
!
!
line con 0
!
line aux 0
!
line vty 0 4
 login
!
!
!
end
```

Router 3

```
Router#show running-config
Building configuration...

Current configuration : 1249 bytes
!
version 12.4
no service timestamps log datetime msec
no service timestamps debug datetime msec
no service password-encryption
!
hostname Router
!
!
!
!
!
!
!
!
no ip cef
no ipv6 cef
!
```

```
!
!
!
!
!
!
!
!
!
!
!
spanning-tree mode pvst
!
!
!
!
!
!
interface FastEthernet0/0
 ip address 20.20.20.30 255.255.255.248
 duplex auto
 speed auto
!
interface FastEthernet0/1
 ip address 40.40.40.29 255.255.255.248
 duplex auto
 speed auto
!
interface FastEthernet0/0/0
 switchport mode access
 switchport nonegotiate
!
interface FastEthernet0/0/1
 switchport mode access
 switchport nonegotiate
!
interface FastEthernet0/0/2
 switchport mode access
 switchport nonegotiate
!
interface FastEthernet0/0/3
 switchport mode access
 switchport nonegotiate
!
interface Serial0/1/0
 no ip address
 clock rate 2000000
 shutdown
!
interface Serial0/1/1
 no ip address
 clock rate 2000000
 shutdown
!
interface Vlan1
 no ip address
 shutdown
```

```
!
ip classless
ip route 10.10.10.24 255.255.255.248 20.20.20.29
ip route 30.30.30.24 255.255.255.248 20.20.20.29
ip route 50.50.50.24 255.255.255.248 40.40.40.30
ip route 60.60.60.24 255.255.255.248 40.40.40.30
!
ip flow-export version 9
!
!
!
no cdp run
!
!
!
!
!
!
line con 0
!
line aux 0
!
line vty 0 4
  login
!
!
!
end
```