

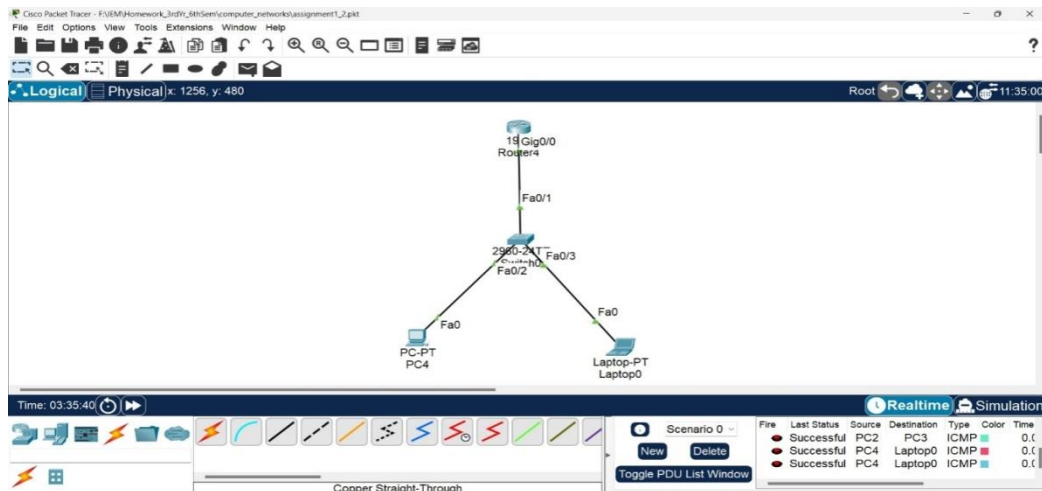
# ASSIGNMENT – 1

DATE – 02/02/2023

## QUESTION:

Single router configuration

## OUTPUT:



## CODE:

### router

```
> en
```

```
# config
```

```
(config)# interface gi 0/0
```

```
(config-if)# ip address 192.168.10.1 255.255.255.0
```

```
(config-if)# no shutdown
```

### pc

IPv4 Address:192.168.10.2

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.10.1

### laptop

IPv4 Address:192.168.10.3

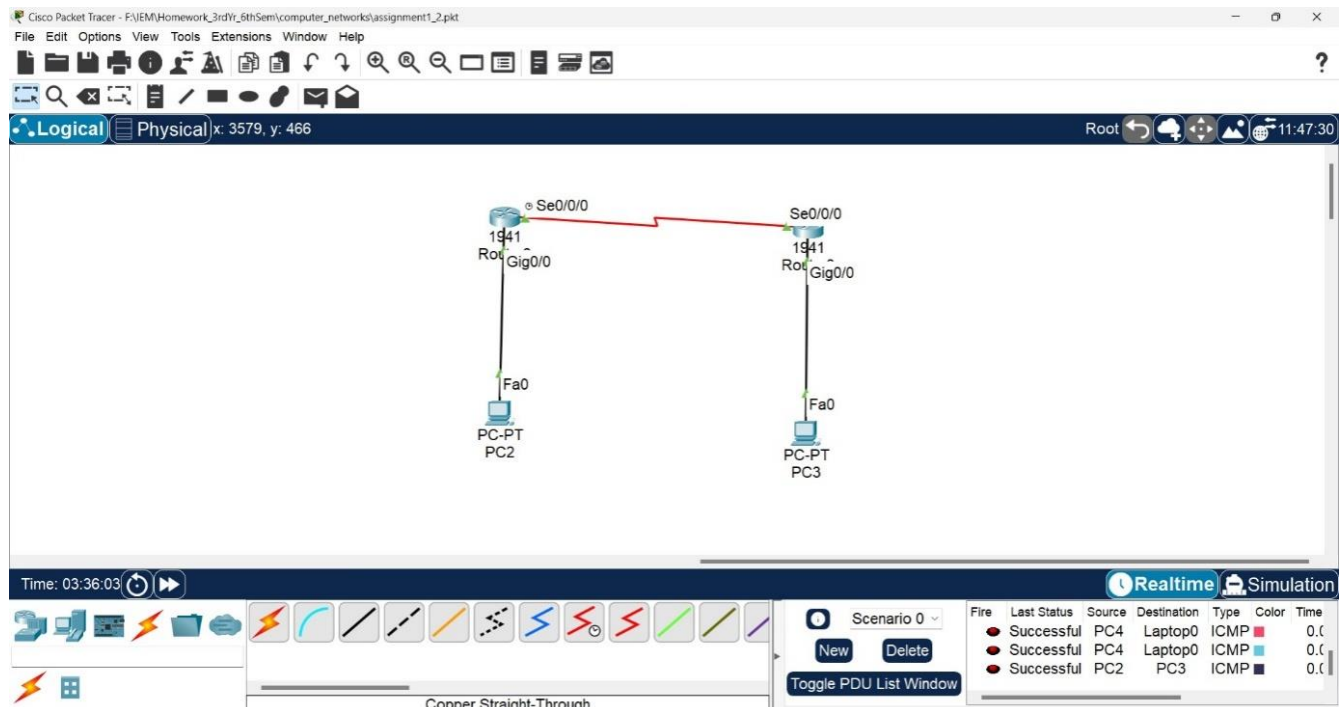
Subnet Mask: 255.255.255.0

Default Gateway: 192.168.10.1

## QUESTION:

Static routing protocol

## OUTPUT:



## CODE:

### router1(DTE)

```
> en
```

```
# config
```

```
(config)# interface gi 0/0
```

```
(config-if)# ip address 192.168.10.1 255.255.255.0
```

```
(config-if)# no shutdown
```

```
(config-if)# exit
```

```
(config)# interface se 0/0/0
```

```
(config-if)# ip address 10.0.0.1 255.0.0.0
```

```
(config-if)# no shutdown
```

```
(config-if)# ip route 192.168.11.0 255.255.255.0 10.0.0.0
```

### router2(DCE)

> en

# config

(config)# interface gi 0/0

(config-if)# ip address 192.168.11.1 255.255.255.0

(config-if)# no shutdown

(config-if)# exit

(config)# interface se 0/0/0

(config-if)# ip address 10.0.0.2 255.0.0.0

(config-if)# clock rate 64000

(config-if)# no shutdown

(config-if)# ip route 192.168.10.0 255.255.255.0 10.0.0.0