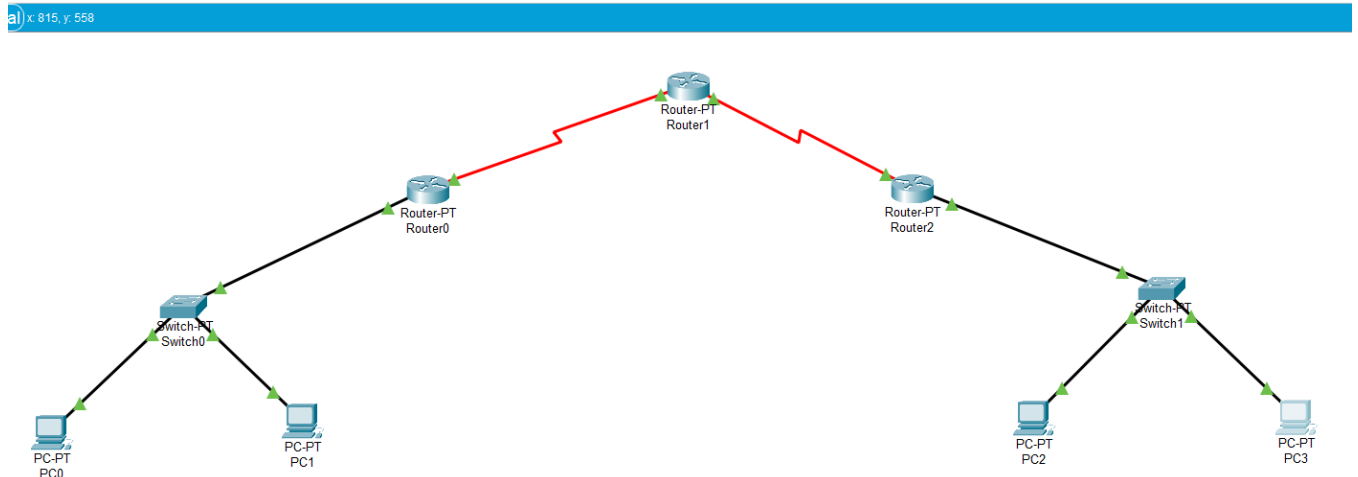


OUTPUT SCREEN SHOTS

Topology:



PC3

Physical Config Desktop Programming Attributes

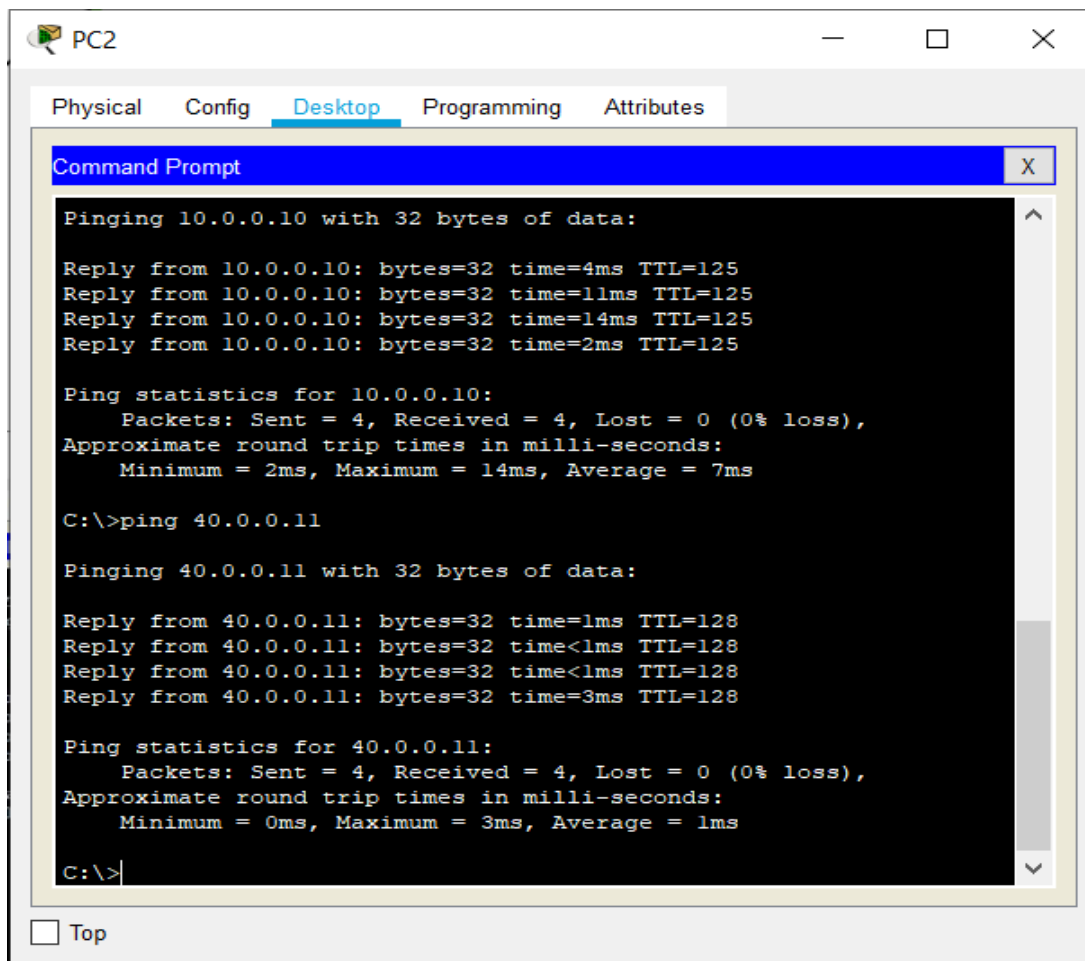
Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 10.0.0.10

Pinging 10.0.0.10 with 32 bytes of data:

Reply from 40.0.0.1: Destination host unreachable.
Reply from 40.0.0.1: Destination host unreachable.
Reply from 40.0.0.1: Destination host unreachable.
Reply from 40.0.0.1: Destination host unreachable.

Ping statistics for 10.0.0.10:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
C:\>
```



OBSERVATION/OUTPUT WRITE UP:

Shiva Praneeth, kochi
IBM18CS100

Lab 4

```
graph TD
    R1[Router 1] --- R0[Router 0]
    R1 --- R2[Router 2]
    R0 --- S0[Switch 0]
    R2 --- S1[Switch 1]
    S0 --- PC0[PC0]
    S0 --- PC1[PC1]
    S1 --- PC2[PC2]
    S1 --- PC3[PC3]
```

Each router knows about its immediate neighbour.
To setup communication between all devices we use static IP route.

R0 & R2 was made to let any signal go through destination signals.

We connect the other routers through static connection

```
IP route 10.0.0.0 255.0.0.0 20.0.0.1
IP route 40.0.0.0 255.0.0.0 30.0.0.2
```

We connect the other router in the same way.
by giving a default connection.

CLI for router 0~

```
ip route 0.0.0.0 0.0.0.0 20.0.0.2
```

CLI for router 2

```
ip route 0.0.0.0 0.0.0.0 30.0.0.1
```

O/P before interface R0 & R2

Destination not reachable.

O/P after interface.

```
Reply from 40.0.0.10
Reply from 40.0.0.10
Reply from 40.0.0.10
Reply from 40.0.0.10
```