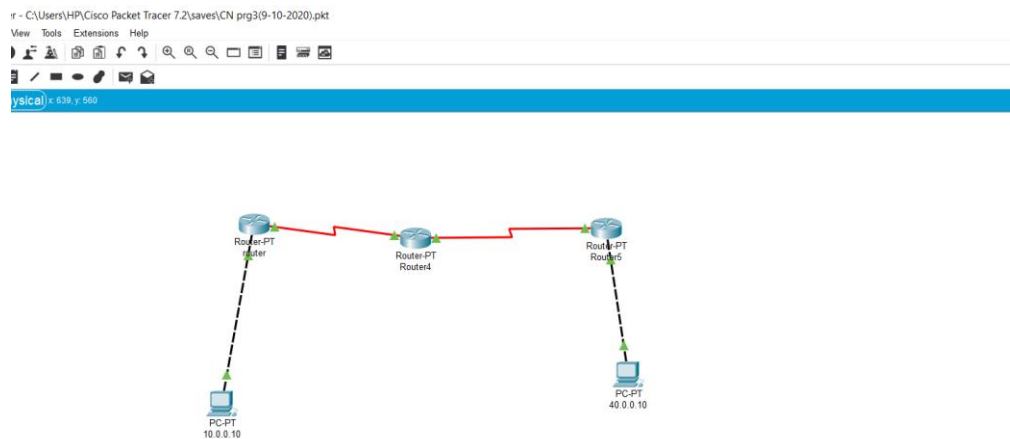Lab program 3:

Configuring IP address to routers in packet tracer .Explore the
following messages: destination unreachable, request timed out, reply.
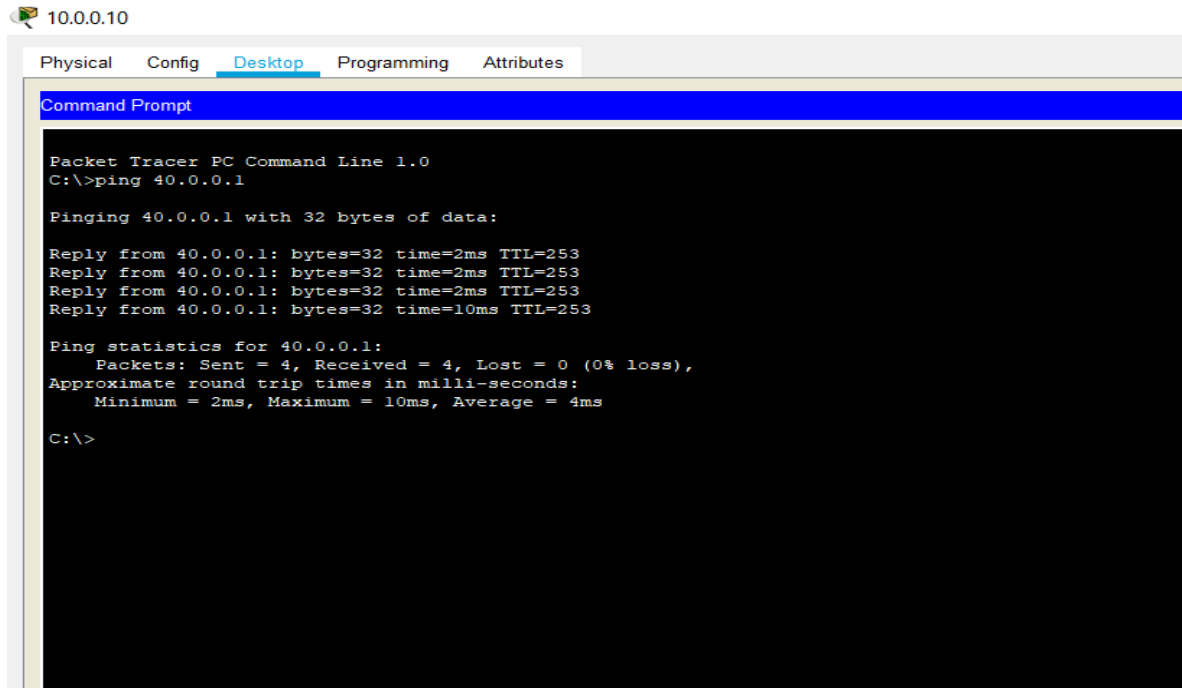
Procedure:

1) Construct topology using the available tools in packet tracer.
2) Give IP address to all the pc's connected.
3) Configure the router to all interfaces.
4) Ping to the destination.

It is the topology with 2 systems and 3 routers .

PC1 is directly connected to the router 1.

Observations:

1)Statically connecting the router's to all interfaces.

2)Destination host unreachable error can be resolved by giving the static connection among the routers.

```
Command Prompt

Ping statistics for 30.0.0.1:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 40.0.0.10

Pinging 40.0.0.10 with 32 bytes of data:

Reply from 10.0.0.1: Destination host unreachable.
Reply from 10.0.0.1: Destination host unreachable.
Reply from 10.0.0.1: Destination host unreachable.
Reply from 10.0.0.1: Destination host unreachable.

Ping statistics for 40.0.0.10:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 40.0.0.11

Pinging 40.0.0.11 with 32 bytes of data:

Reply from 10.0.0.1: Destination host unreachable.
Request timed out.
Reply from 10.0.0.1: Destination host unreachable.
Reply from 10.0.0.1: Destination host unreachable.

Ping statistics for 40.0.0.11:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>
C:\>ping 40.0.0.10

Pinging 40.0.0.10 with 32 bytes of data:

Request timed out.
Reply from 40.0.0.10: bytes=32 time=2ms TTL=125
```