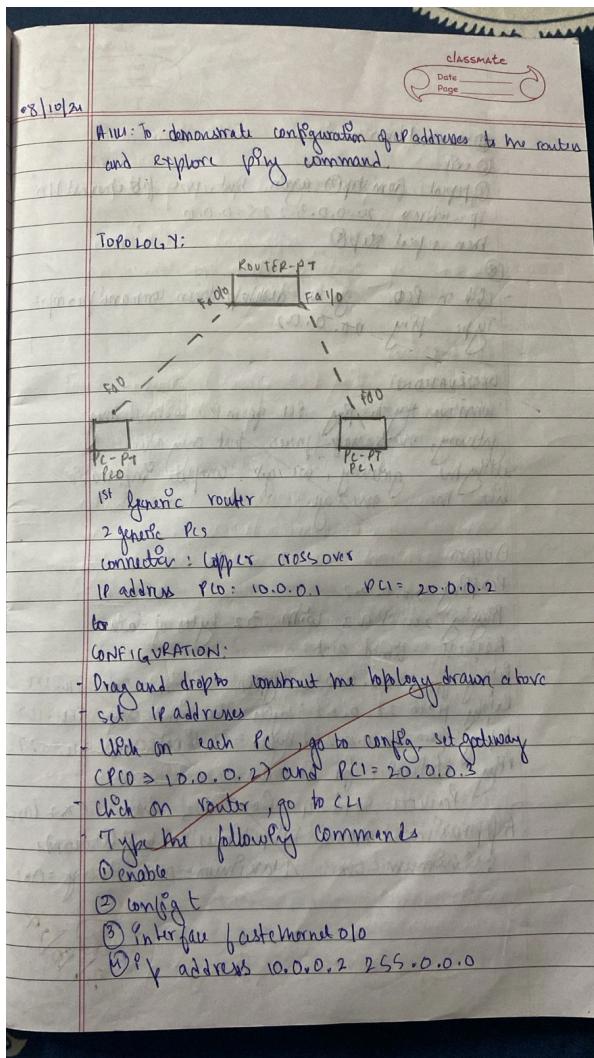


## Program2

**Aim:** To demonstrate configuration ip addresses to routers and exploring ping command

### Procedure along with the topology



classmate  
Date \_\_\_\_\_  
Page \_\_\_\_\_

⑤ no shutdown

⑥ exit

⑦ repeat from step ③ again but use fast ethernet 0/0  
IP address 20.0.0.3 255.0.0.0  
then repeat step ⑤

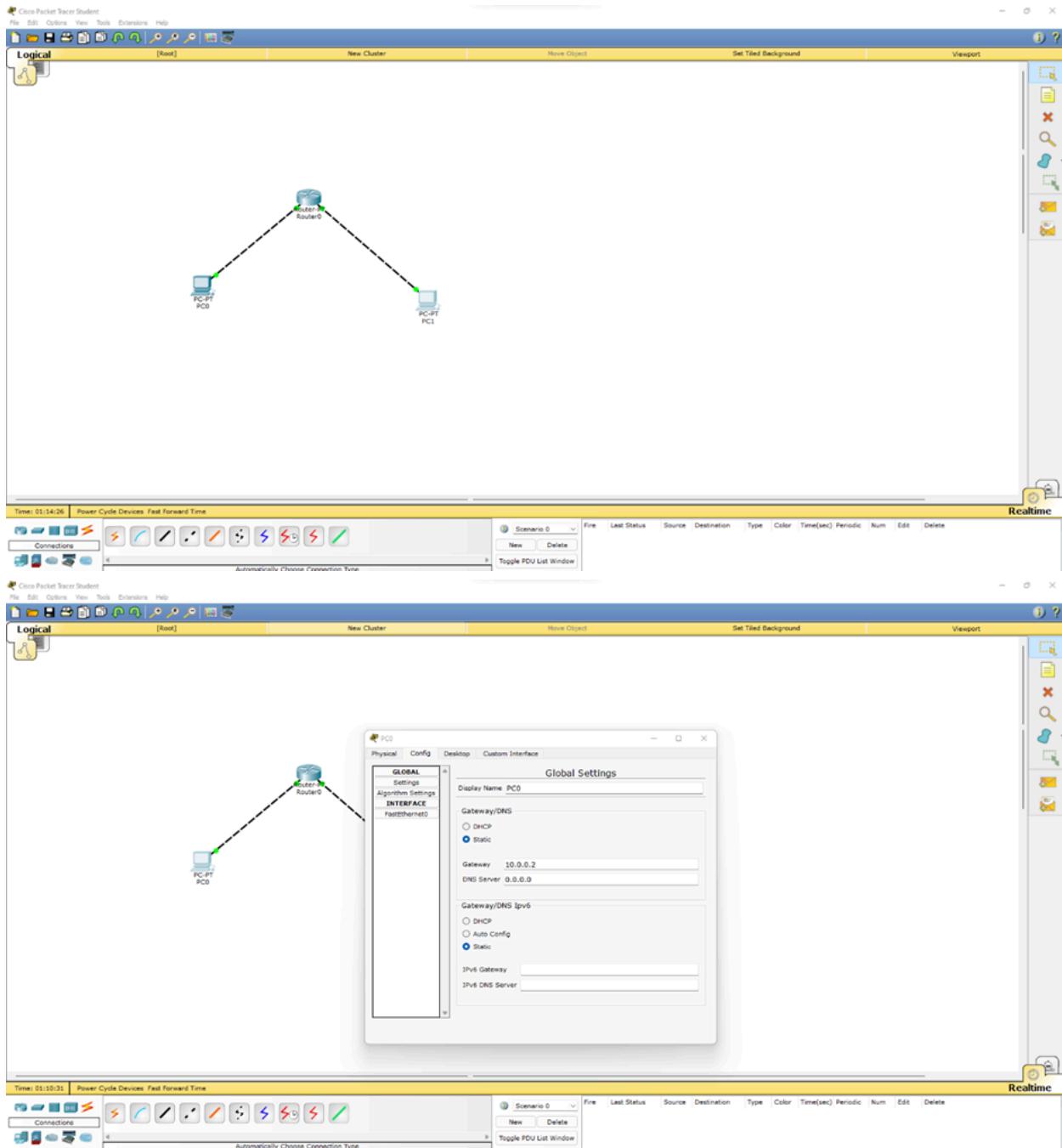
⑧ Click on PC0, go to desktop, then command prompt  
Type ping 20.0.0.2

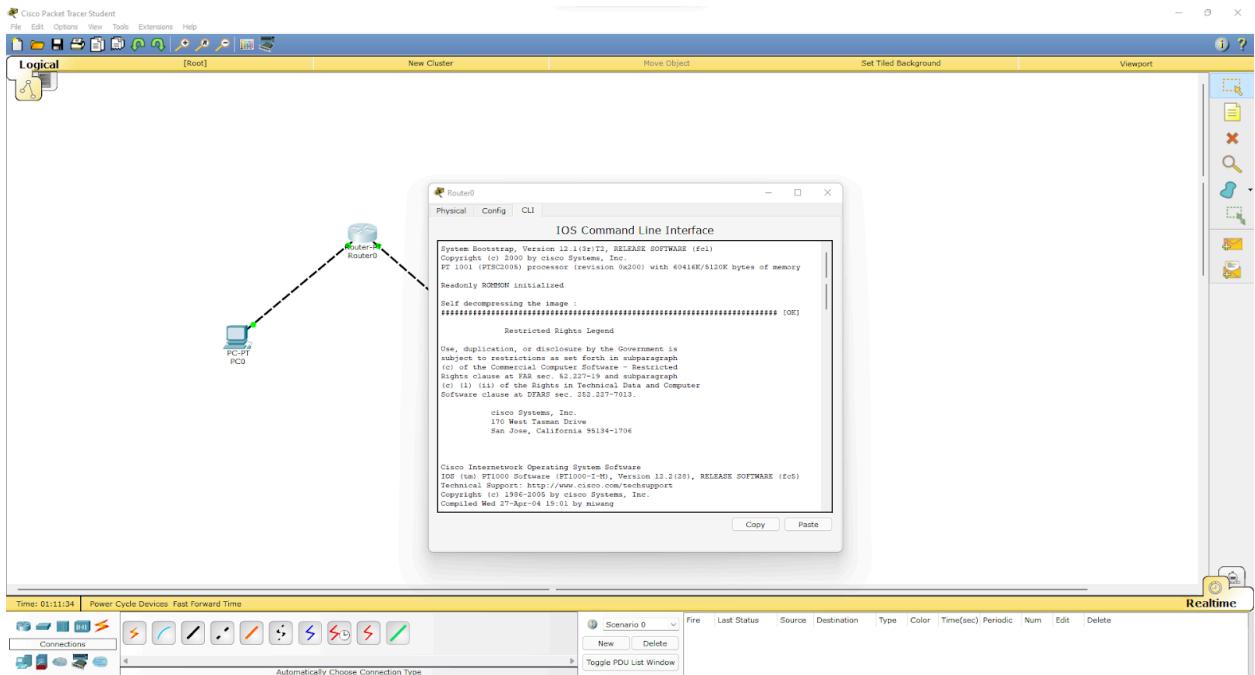
OBSERVATION:  
When we try to ping PC1 from PC0 without any gateway, no message passes, but only after setting the gateway, we get complete information like the message

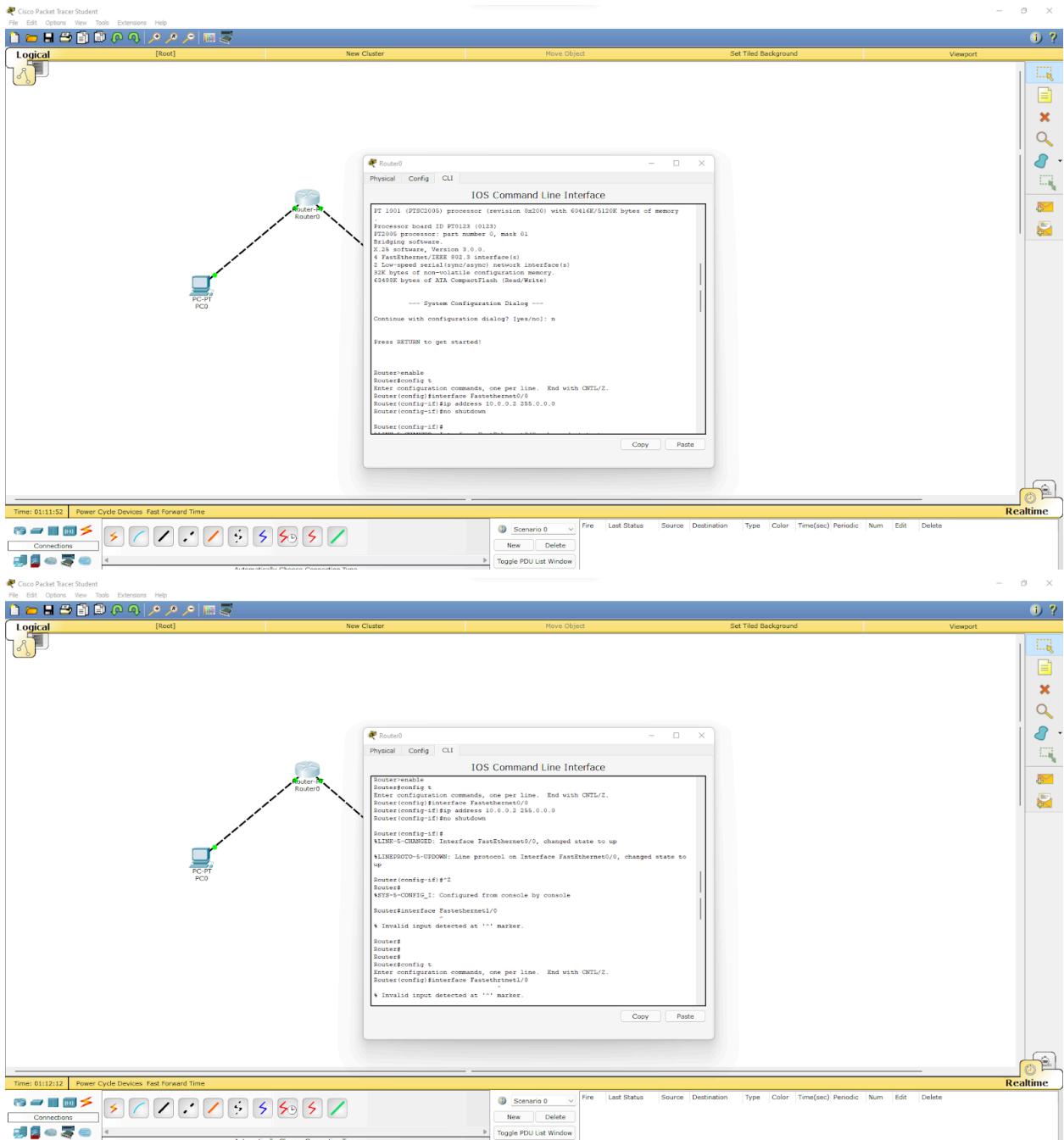
OUTPUT  
PC Ping 20.0.0.2  
Ping to 20.0.0.2 with 32 bytes of data:  
Request timed out  
Reply from 20.0.0.2: bytes=32 time=0ms TTL=128  
Reply from 20.0.0.2: bytes=32 time=0ms TTL=128  
Reply from 20.0.0.2: bytes=32 time=0ms TTL=128  
Ping statistics for 20.0.0.2:  
Packets: Sent=4 Received=3 lost=1 (25%)  
Approximate round trip times in milliseconds  
Minimum=0ms, Maximum=0ms Average=0ms

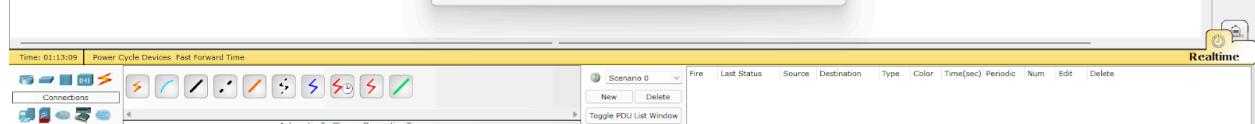
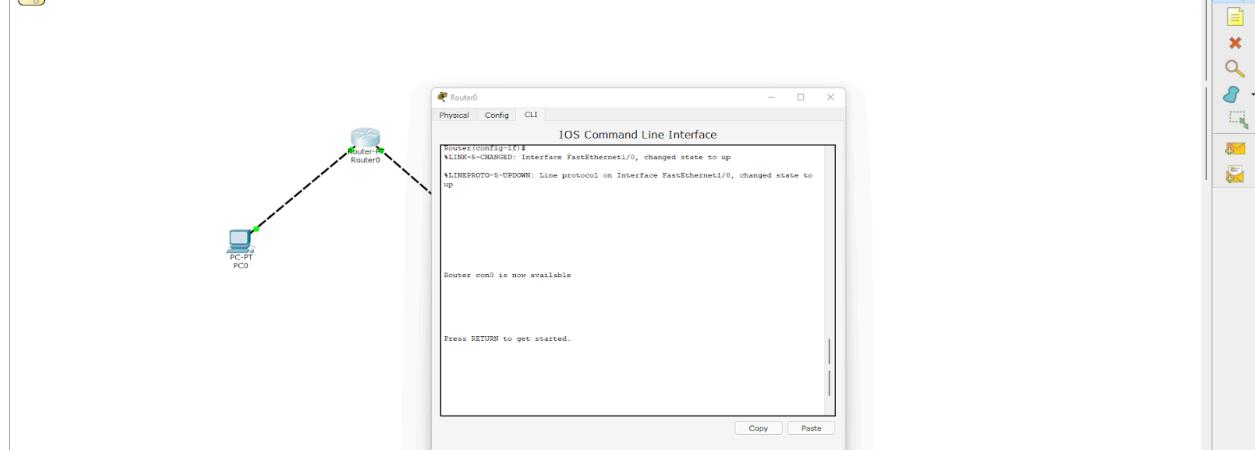
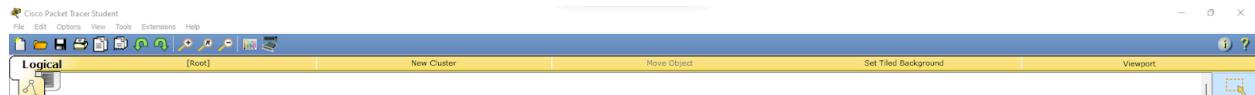
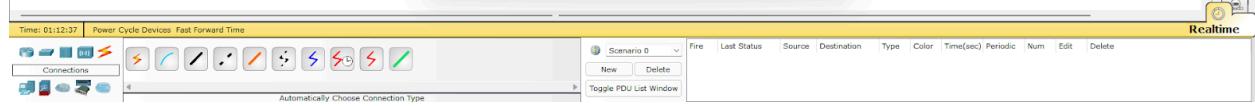
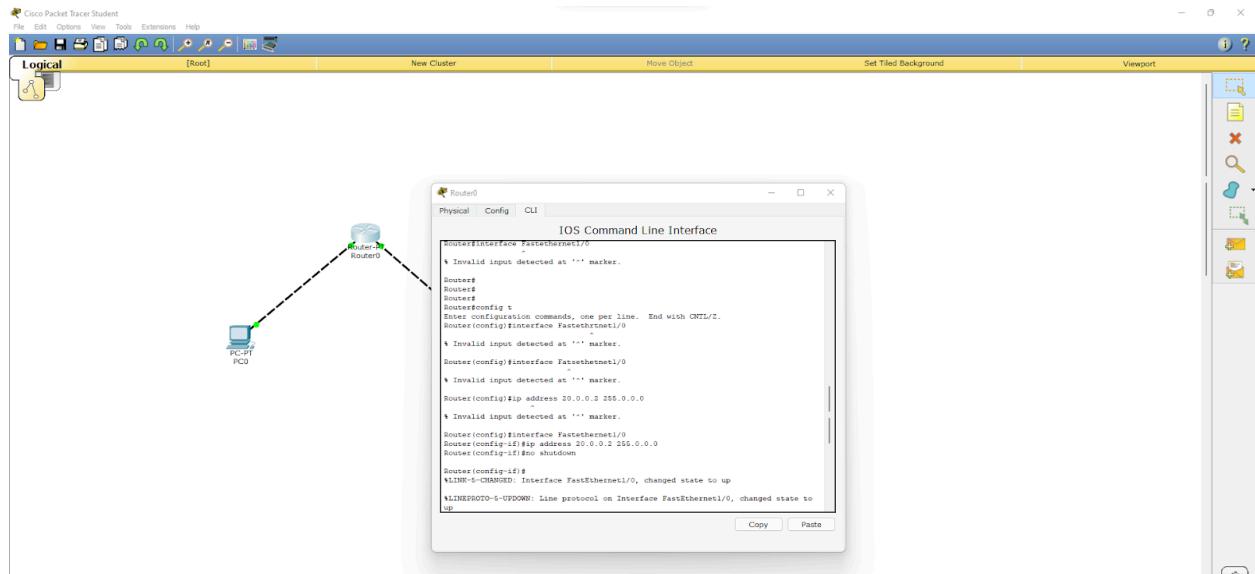
DIVISION

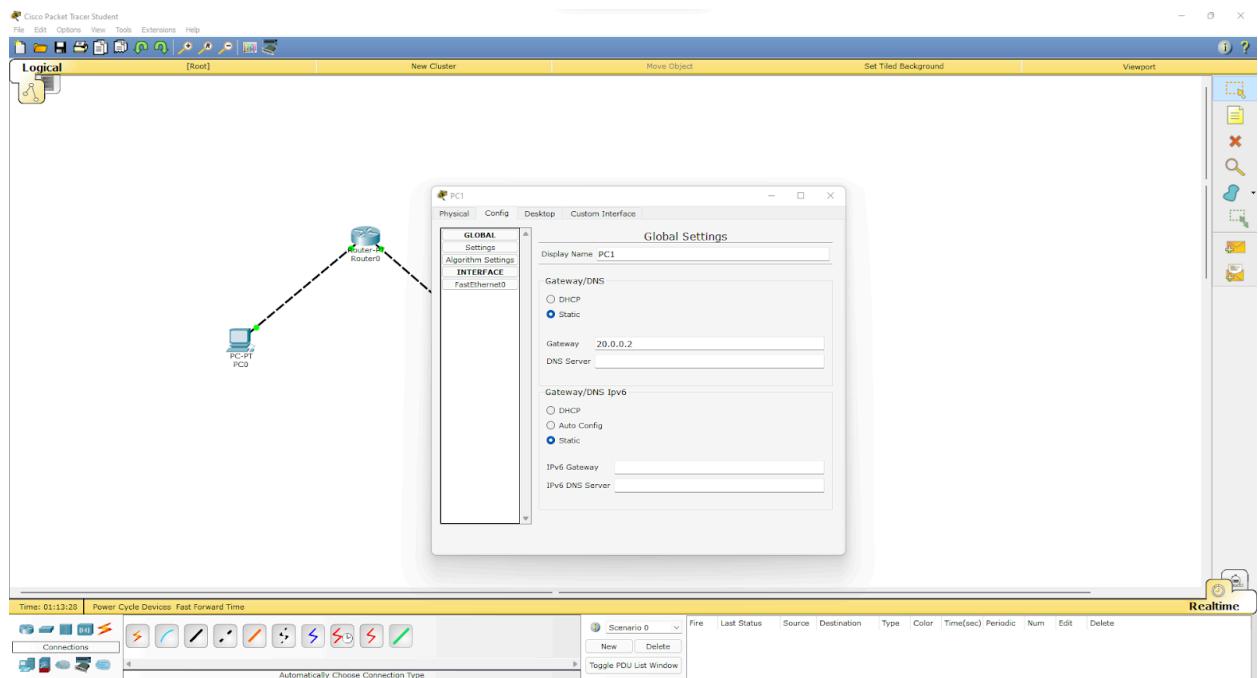
### Screen shots/ output

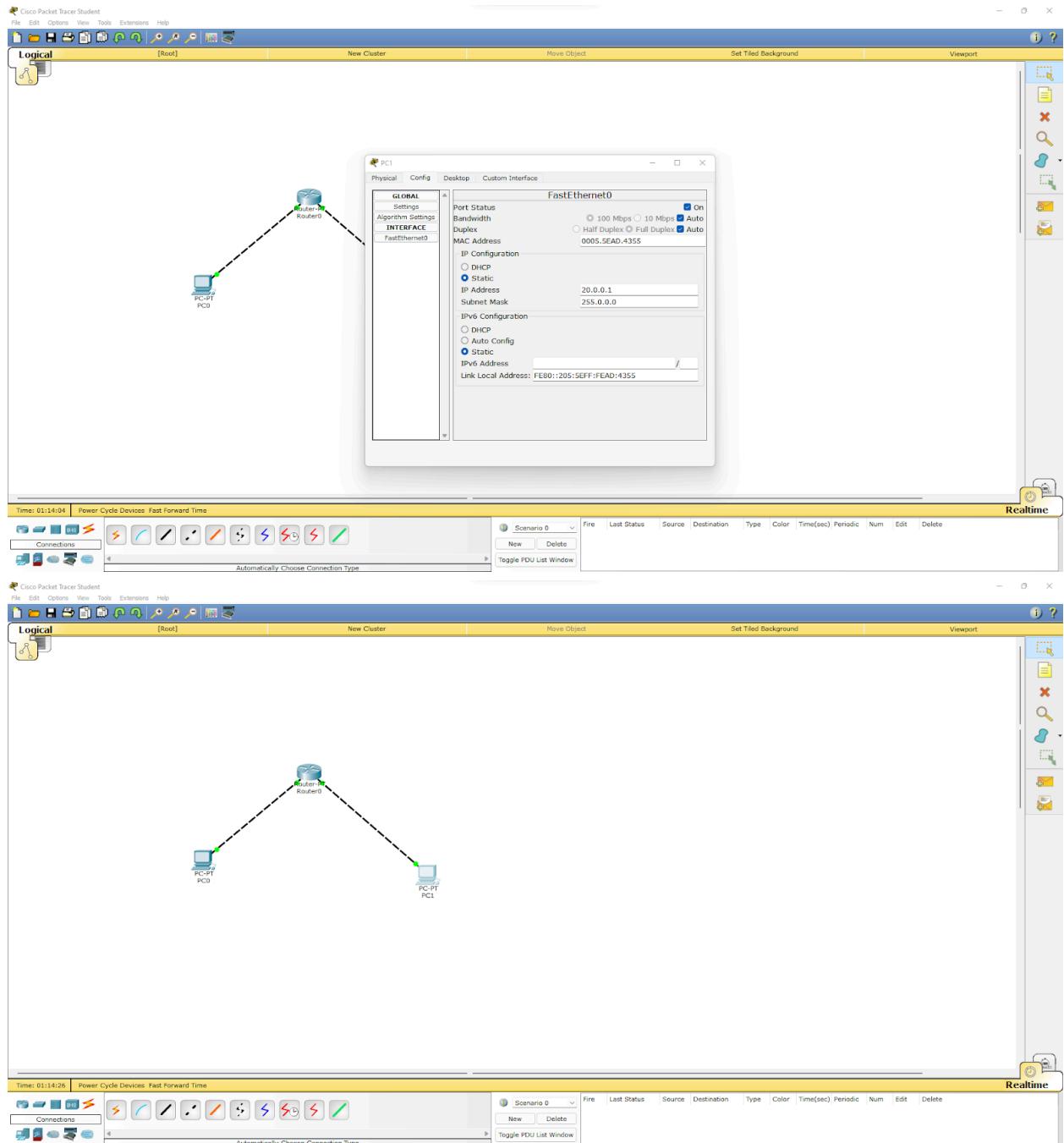


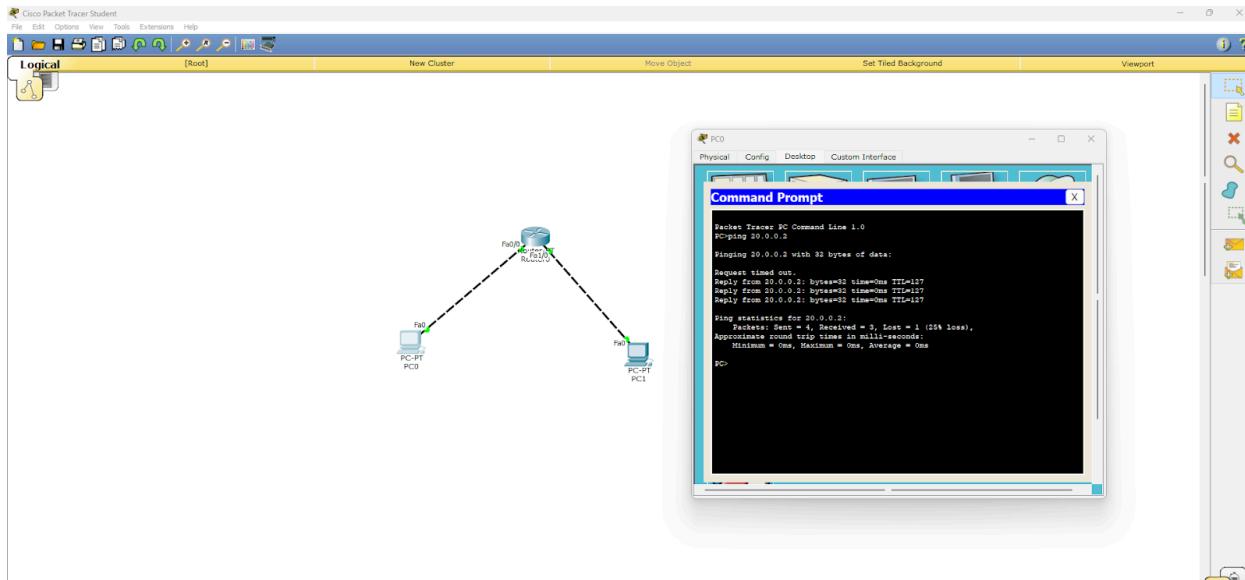












## Observation

**DISCUSSION:**  
 When we try to ping for gateway without any gateway interface present, but only after setting the gateway, we get complete information like loss message.

**DIGAM**  
 PC0 Ping 20.0.0.2  
 Reply 20.0.0.2 with 32 bytes of data.  
 Request timed out  
 Reply from 20.0.0.2: bytes=32 time=0ms TTL=127  
 Reply from 20.0.0.2: bytes=32 time=0ms TTL=127  
 Reply from 20.0.0.2: bytes=32 time=0ms TTL=127  
 Reply 20.0.0.2 from 20.0.0.2:  
 Packets: Sent=4 Received=3 Lost=1 (25% loss)  
 Approximate round trip times in milliseconds:  
 Minimum=0ms Maximum=0ms Average=0ms