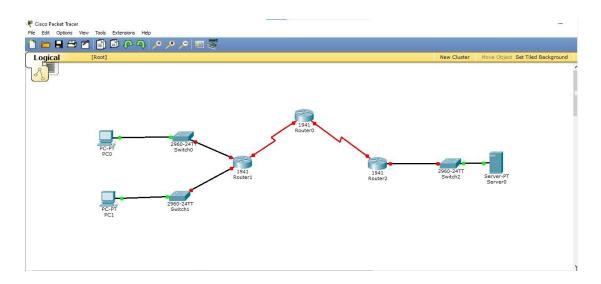
Practical 5

Roll No.:IT21036

Aim:Configuring IPv6 ACLs

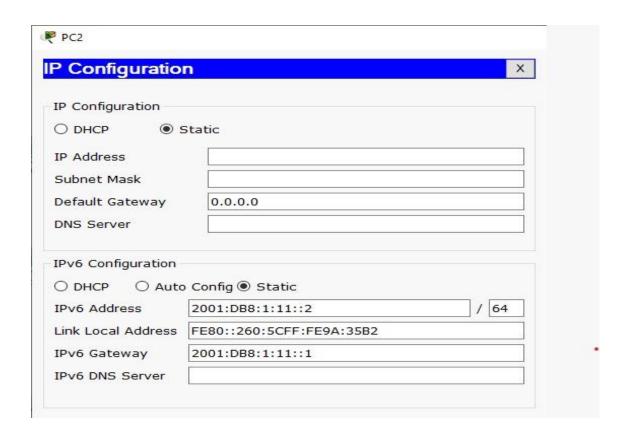
TOPOLOGY DIAGRAM

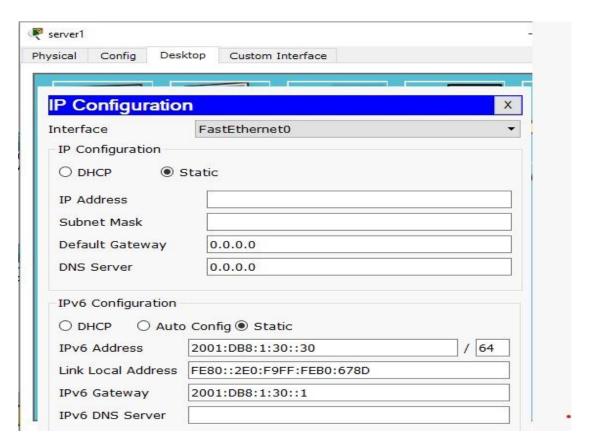


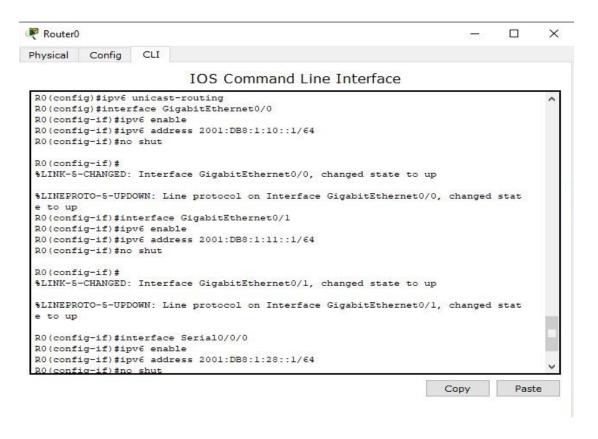
ASSIGNNING IP ADRESSES

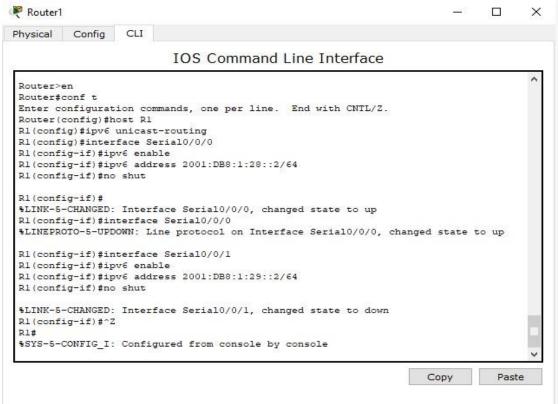
² Configuration	n x
IP Configuration	
O DHCP	Static
IP Address	
Subnet Mask	
Default Gateway	0.0.0.0
DNS Server	
Pv6 Configuration	
O DHCP O Auto	Config Static
IPv6 Address	2001:DB8:1:10::2 / 64
Link Local Address	FE80::2E0:F9FF:FE40:579C
IPv6 Gateway	2001:DB8:1:10::1
IPv6 DNS Server	

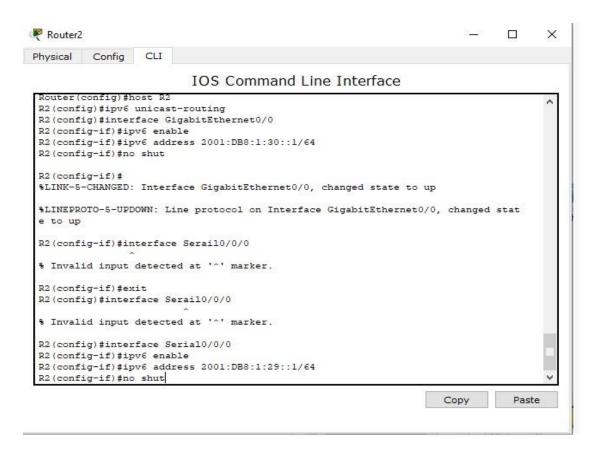
Date:07/02/2024 Security in Computing Roll No.:IT21036



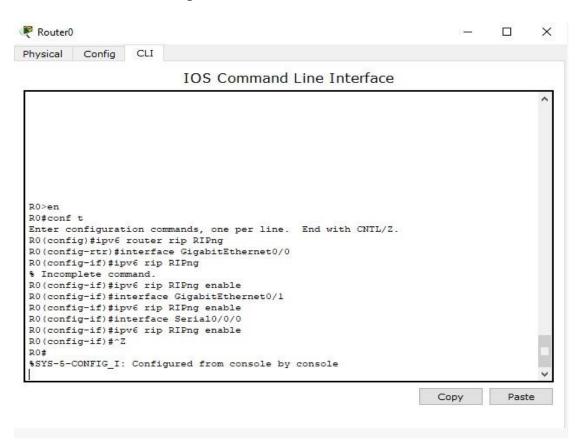




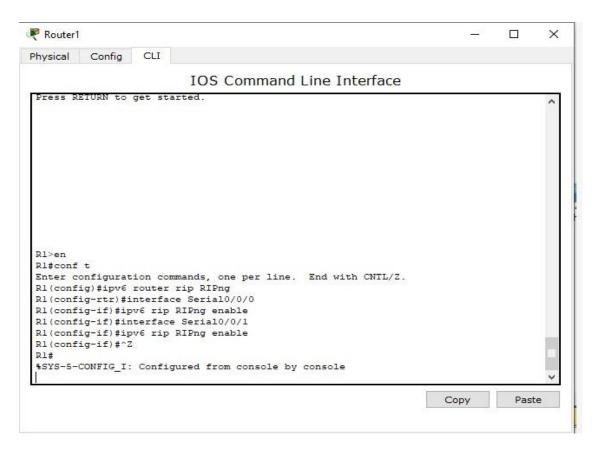




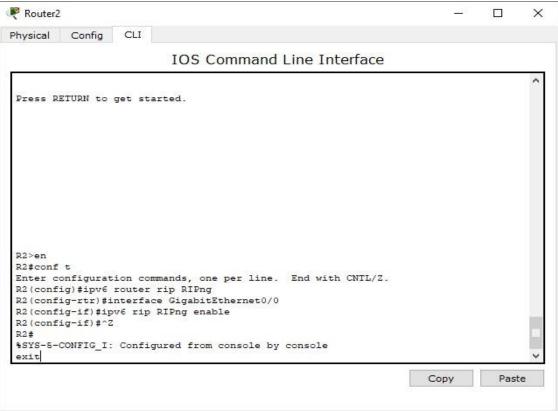
CONFIGURING RIPng ON ROUTERS



Date:07/02/2024 Security in Computing

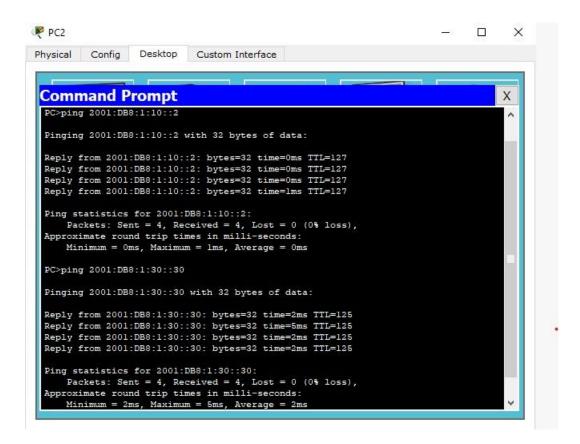


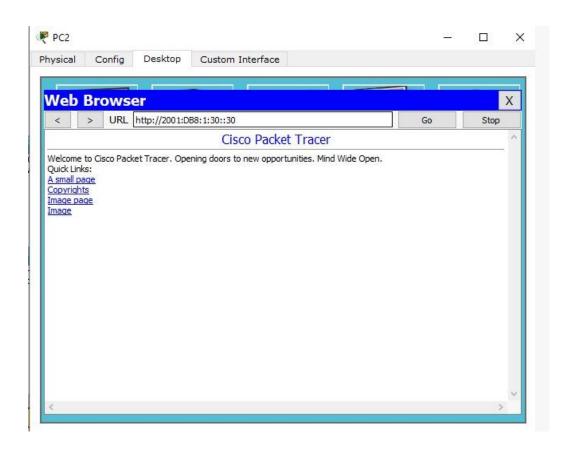
Roll No.:IT21036



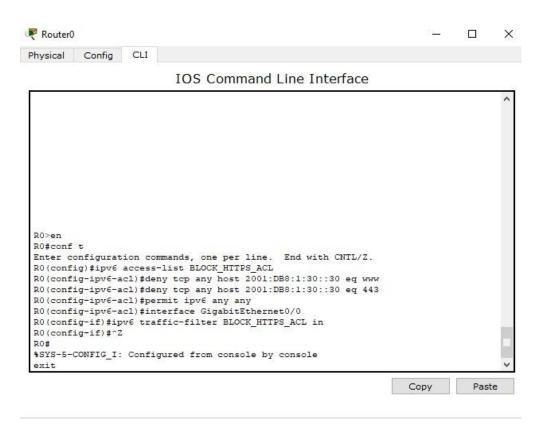
CHECKING THE NETWORK CONNECTIVITY

```
X
PC1
                                                                                                Physical Config Desktop Custom Interface
 Command Prompt
  PC>ping 2001:DB8:1:11::2
  Pinging 2001:DB8:1:11::2 with 32 bytes of data:
  Reply from 2001:DB8:1:11::2: bytes=32 time=0ms TTL=127
  Reply from 2001:DB8:1:11::2: bytes=32 time=0ms TTL=127
  Reply from 2001:DB8:1:11::2: bytes=32 time=1ms TTL=127
Reply from 2001:DB8:1:11::2: bytes=32 time=0ms TTL=127
  Ping statistics for 2001:DB8:1:11::2:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds:
       Minimum = 0ms, Maximum = 1ms, Average = 0ms
  PC>ping 2001:DB8:1:30::30
  Pinging 2001:DB8:1:30::30 with 32 bytes of data:
  Reply from 2001:DB8:1:30::30: bytes=32 time=2ms TTL=125
  Reply from 2001:DB8:1:30::30: bytes=32 time=10ms TTL=125 Reply from 2001:DB8:1:30::30: bytes=32 time=5ms TTL=125
  Reply from 2001:DB8:1:30::30: bytes=32 time=2ms TTL=125
  Ping statistics for 2001:DB8:1:30::30:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
      Minimum = 2ms, Maximum = 10ms, Average = 4ms
```



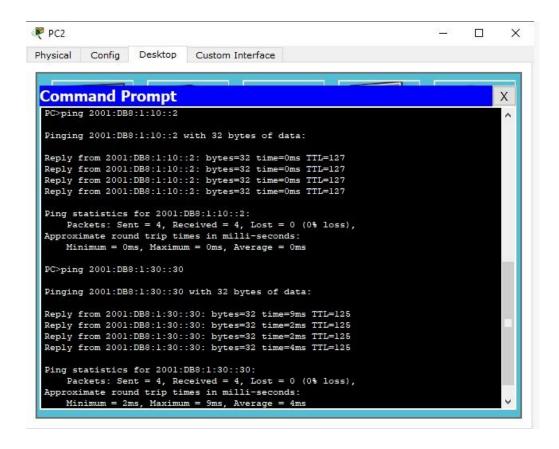


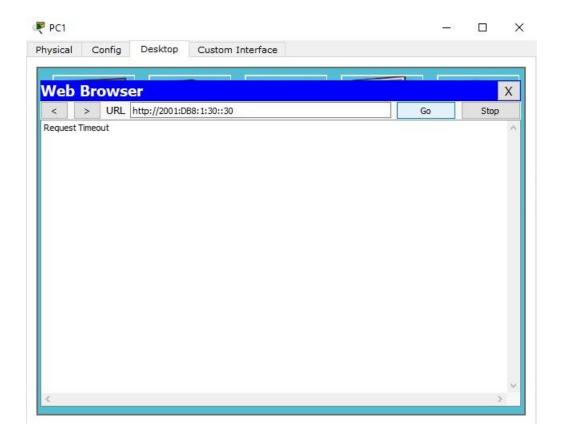
CONFIGURING ACL

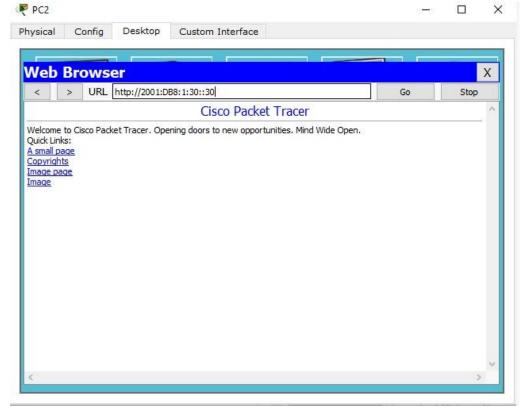


VERIFYING THE WORKING OF ACL

```
PC1
                                                                                               X
Physical Config Desktop Custom Interface
 Command Prompt
                                                                                                     X
  PC>ping 2001:DB8:1:11::2
  Pinging 2001:DB8:1:11::2 with 32 bytes of data:
  Reply from 2001:DB8:1:11::2: bytes=32 time=0ms TTL=127
  Reply from 2001:DB8:1:11::2: bytes=32 time=1ms TTL=127
  Reply from 2001:DB8:1:11::2: bytes=32 time=0ms TTL=127
  Reply from 2001:DB8:1:11::2: bytes=32 time=0ms TTL=127
  Ping statistics for 2001:DB8:1:11::2:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss), Approximate round trip times in milli-seconds:
       Minimum = 0ms, Maximum = 1ms, Average = 0ms
  PC>ping 2001:DB8:1:30::30
  Pinging 2001:DB8:1:30::30 with 32 bytes of data:
  Reply from 2001:DB8:1:30::30: bytes=32 time=10ms TTL=125
Reply from 2001:DB8:1:30::30: bytes=32 time=2ms TTL=125
  Reply from 2001:DB8:1:30::30: bytes=32 time=2ms TTL=125
  Reply from 2001:DB8:1:30::30: bytes=32 time=2ms TTL=125
  Ping statistics for 2001:DB8:1:30::30:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 2ms, Maximum = 10ms, Average = 4ms
```

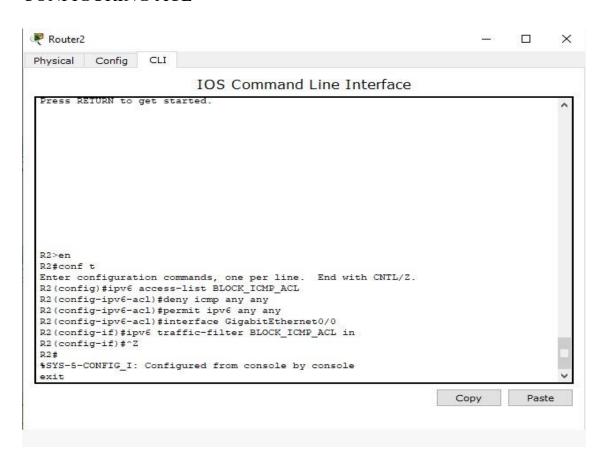






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CONFIGURING ACL



VERIFYING THE WORKING OF ACL

```
Physical Config Desktop Custom Interface

Command Prompt

PC>ping 2001:DB8:1:30::30

Pinging 2001:DB8:1:30::30 with 32 bytes of data:

Request timed out.

Request timed out.

Request timed out.

Request timed out.

Ping statistics for 2001:DB8:1:30::30:

Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

