Name:Ahmed Saeed Albijali
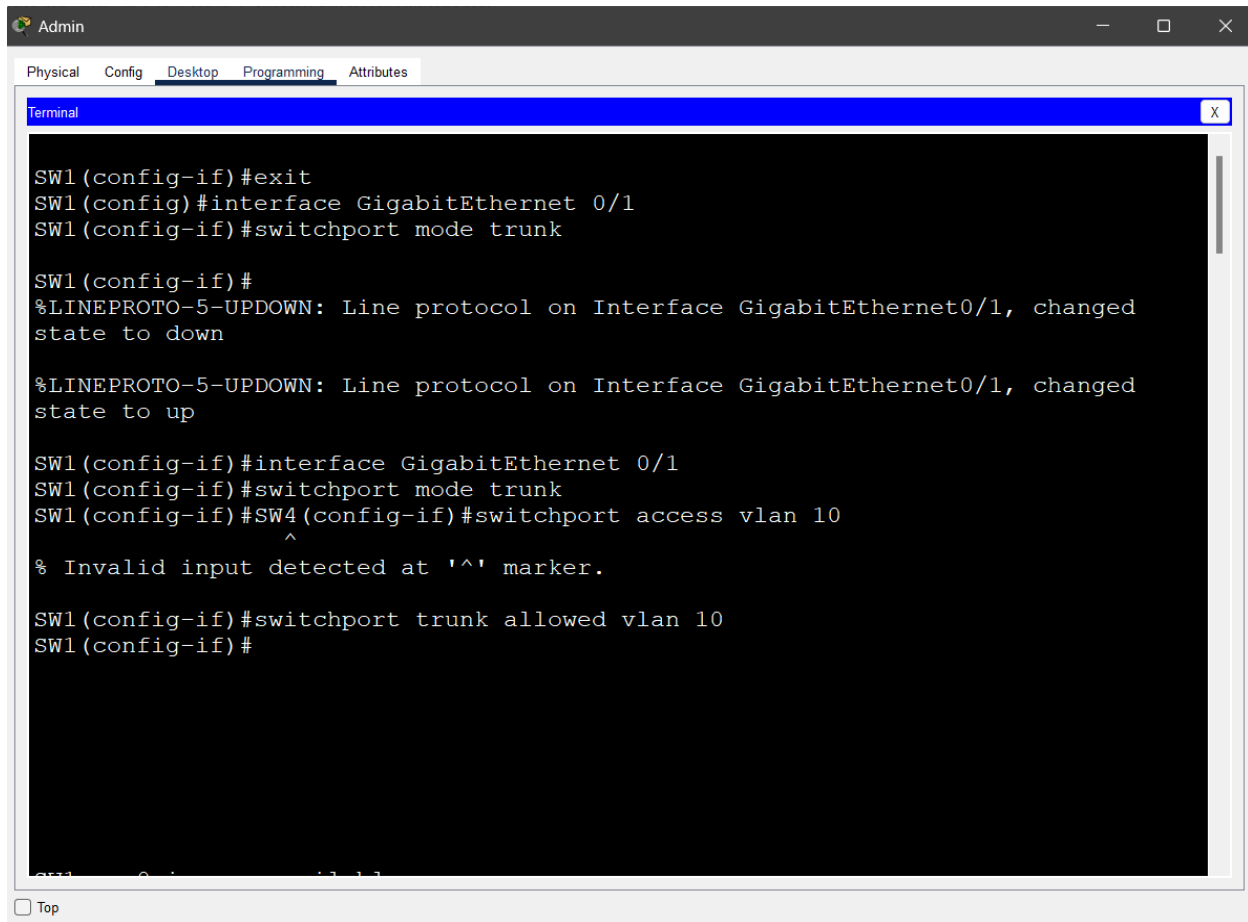
ID:1935732

One screenshot of the terminal from Admin Laptop showing any switch configuration.


```
SW1(config-if)#exit
SW1(config)#interface GigabitEthernet 0/1
SW1(config-if)#switchport mode trunk

SW1(config-if)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed
state to down

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/1, changed
state to up

SW1(config-if)#interface GigabitEthernet 0/1
SW1(config-if)#switchport mode trunk
SW1(config-if)#SW4(config-if)#switchport access vlan 10
                        ^
% Invalid input detected at '^' marker.

SW1(config-if)#switchport trunk allowed vlan 10
SW1(config-if)#
```
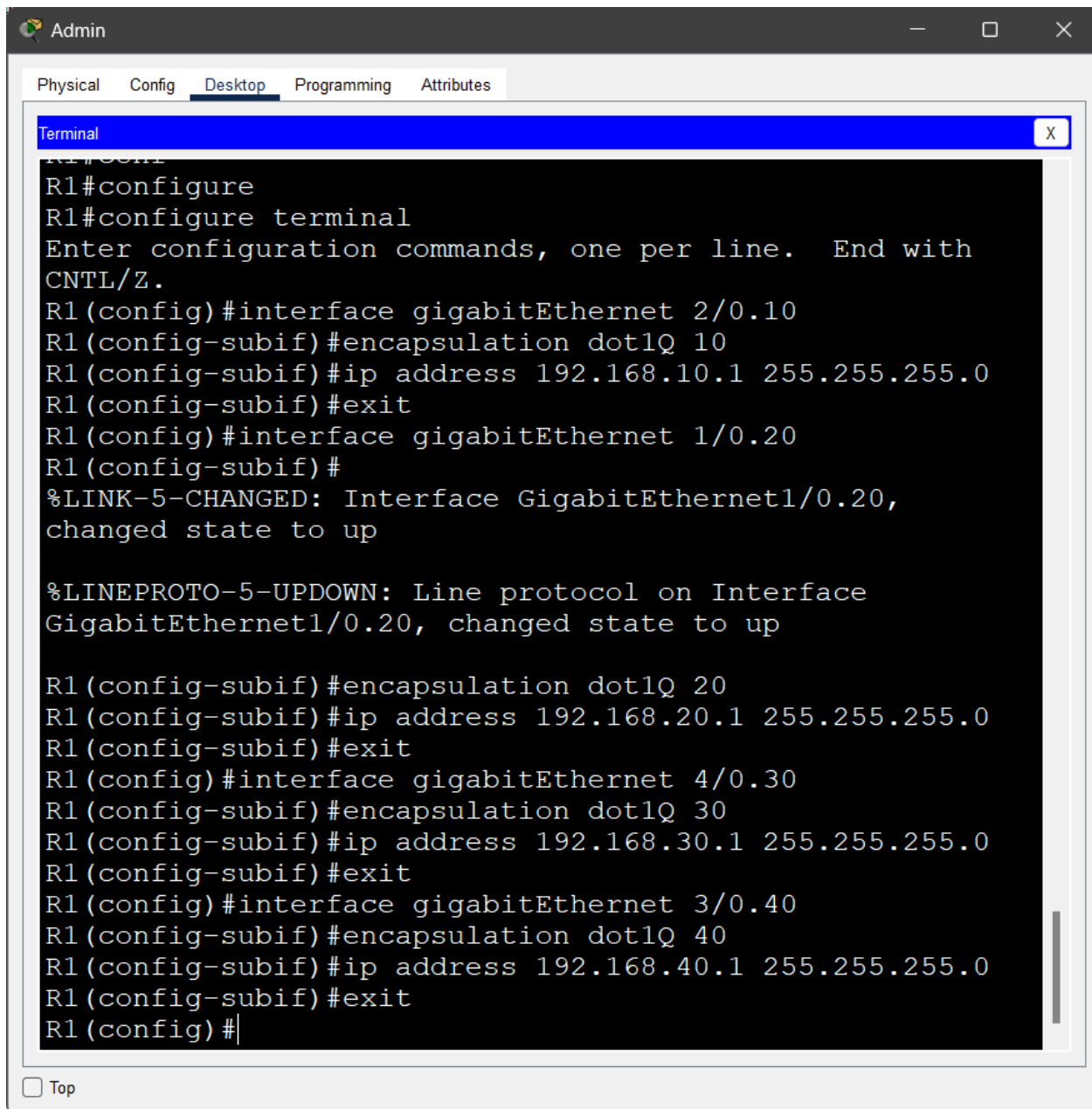
One screenshot of the terminal from Admin Laptop showing router R1 configuration.

```
Admin                                                        —    ☐    ✕

 Physical   Config   Desktop   Programming   Attributes

 Terminal                                                              X
 R1#configure
 R1#configure terminal
 Enter configuration commands, one per line.  End with
 CNTL/Z.
 R1(config)#interface gigabitEthernet 2/0.10
 R1(config-subif)#encapsulation dot1Q 10
 R1(config-subif)#ip address 192.168.10.1 255.255.255.0
 R1(config-subif)#exit
 R1(config)#interface gigabitEthernet 1/0.20
 R1(config-subif)#
 %LINK-5-CHANGED: Interface GigabitEthernet1/0.20,
 changed state to up

 %LINEPROTO-5-UPDOWN: Line protocol on Interface
 GigabitEthernet1/0.20, changed state to up

 R1(config-subif)#encapsulation dot1Q 20
 R1(config-subif)#ip address 192.168.20.1 255.255.255.0
 R1(config-subif)#exit
 R1(config)#interface gigabitEthernet 4/0.30
 R1(config-subif)#encapsulation dot1Q 30
 R1(config-subif)#ip address 192.168.30.1 255.255.255.0
 R1(config-subif)#exit
 R1(config)#interface gigabitEthernet 3/0.40
 R1(config-subif)#encapsulation dot1Q 40
 R1(config-subif)#ip address 192.168.40.1 255.255.255.0
 R1(config-subif)#exit
 R1(config)#

 ☐ Top
```
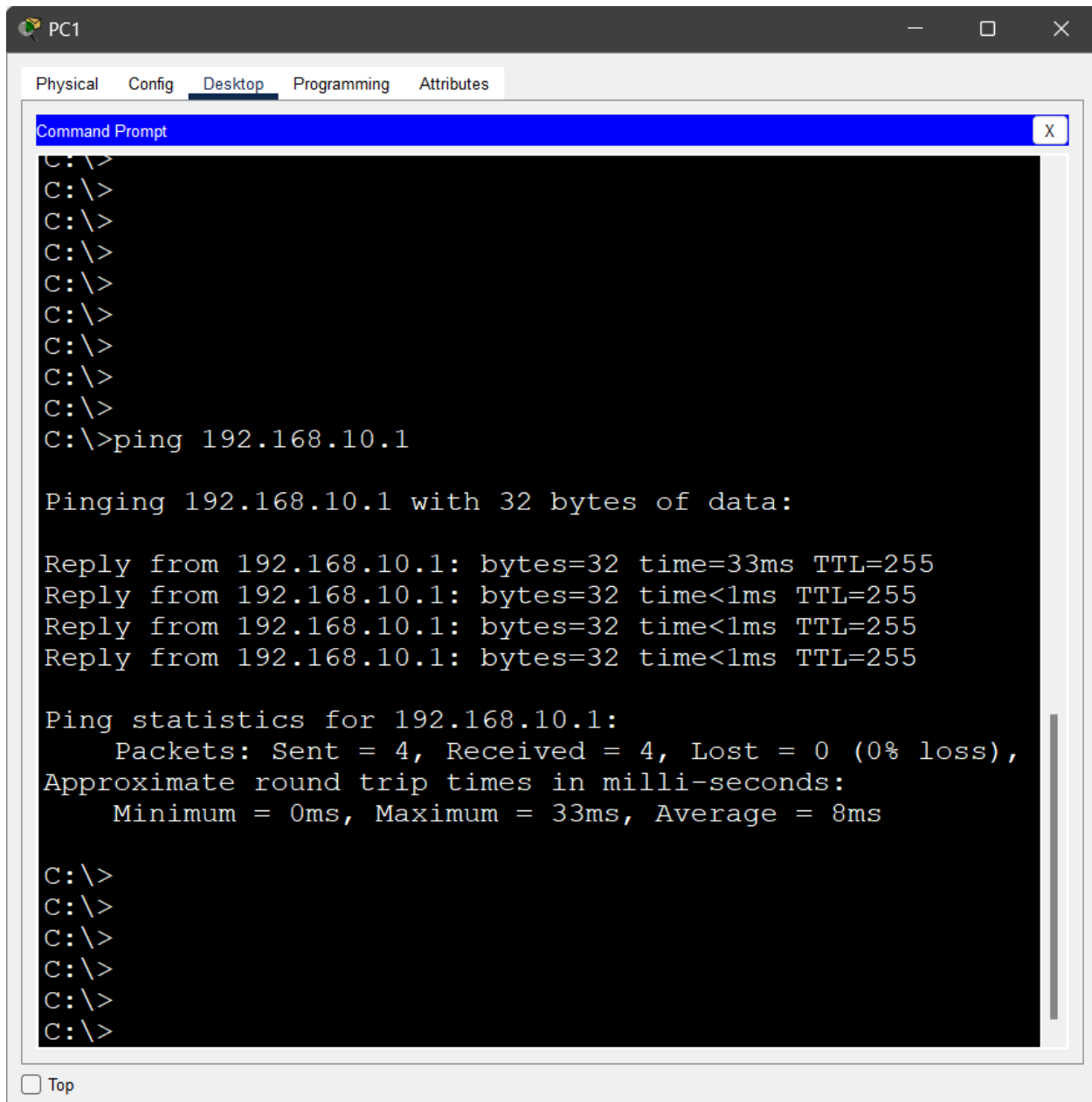
Three screenshots of command prompt from all PCs showing successful ping between PC and Router (one screenshot for each PC)

PC1 — □ ✕

Physical   Config   Desktop   Programming   Attributes

Command Prompt   X

```
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>ping 192.168.10.1

Pinging 192.168.10.1 with 32 bytes of data:

Reply from 192.168.10.1: bytes=32 time=33ms TTL=255
Reply from 192.168.10.1: bytes=32 time<1ms TTL=255
Reply from 192.168.10.1: bytes=32 time<1ms TTL=255
Reply from 192.168.10.1: bytes=32 time<1ms TTL=255

Ping statistics for 192.168.10.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 33ms, Average = 8ms

C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
```
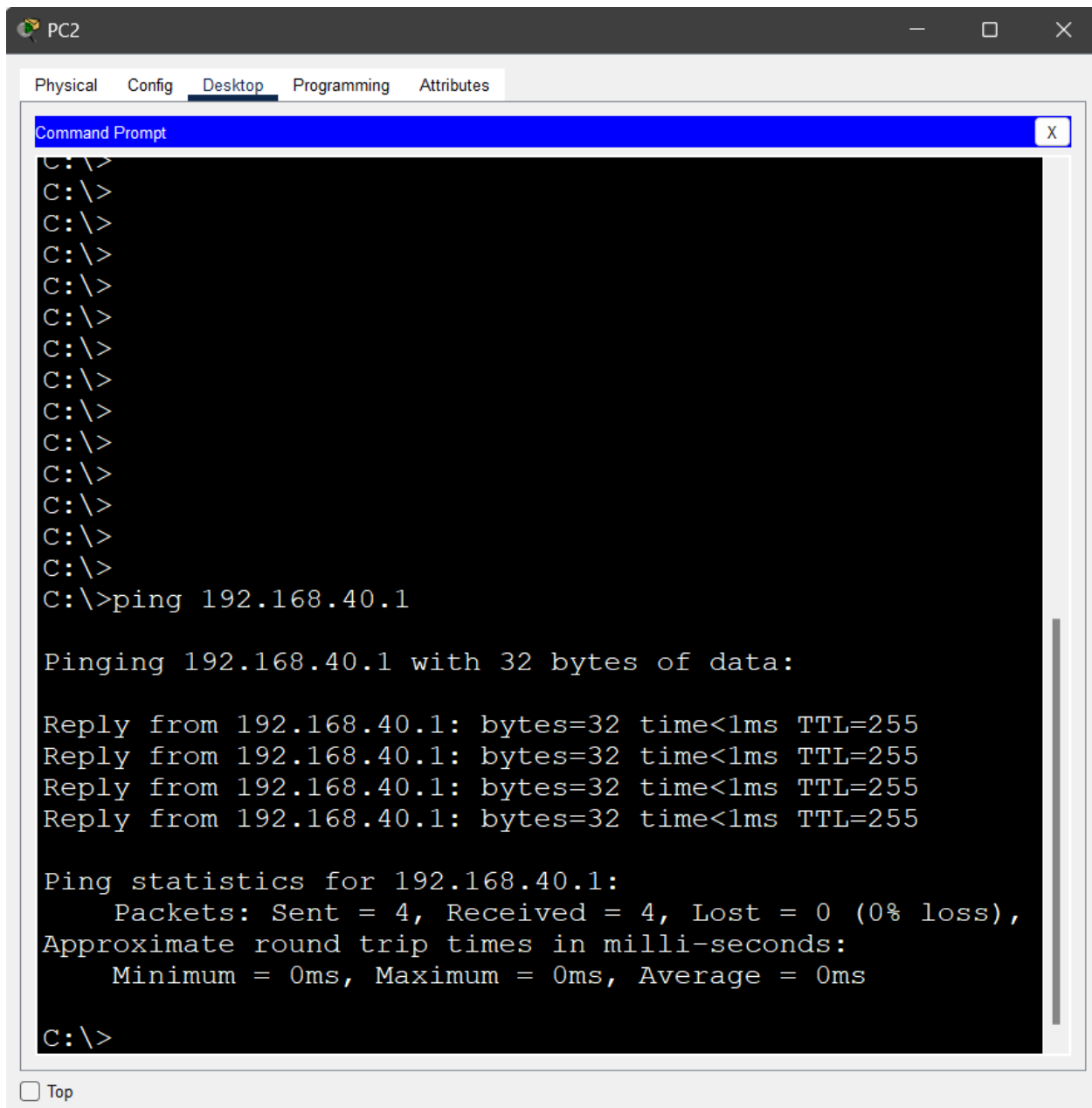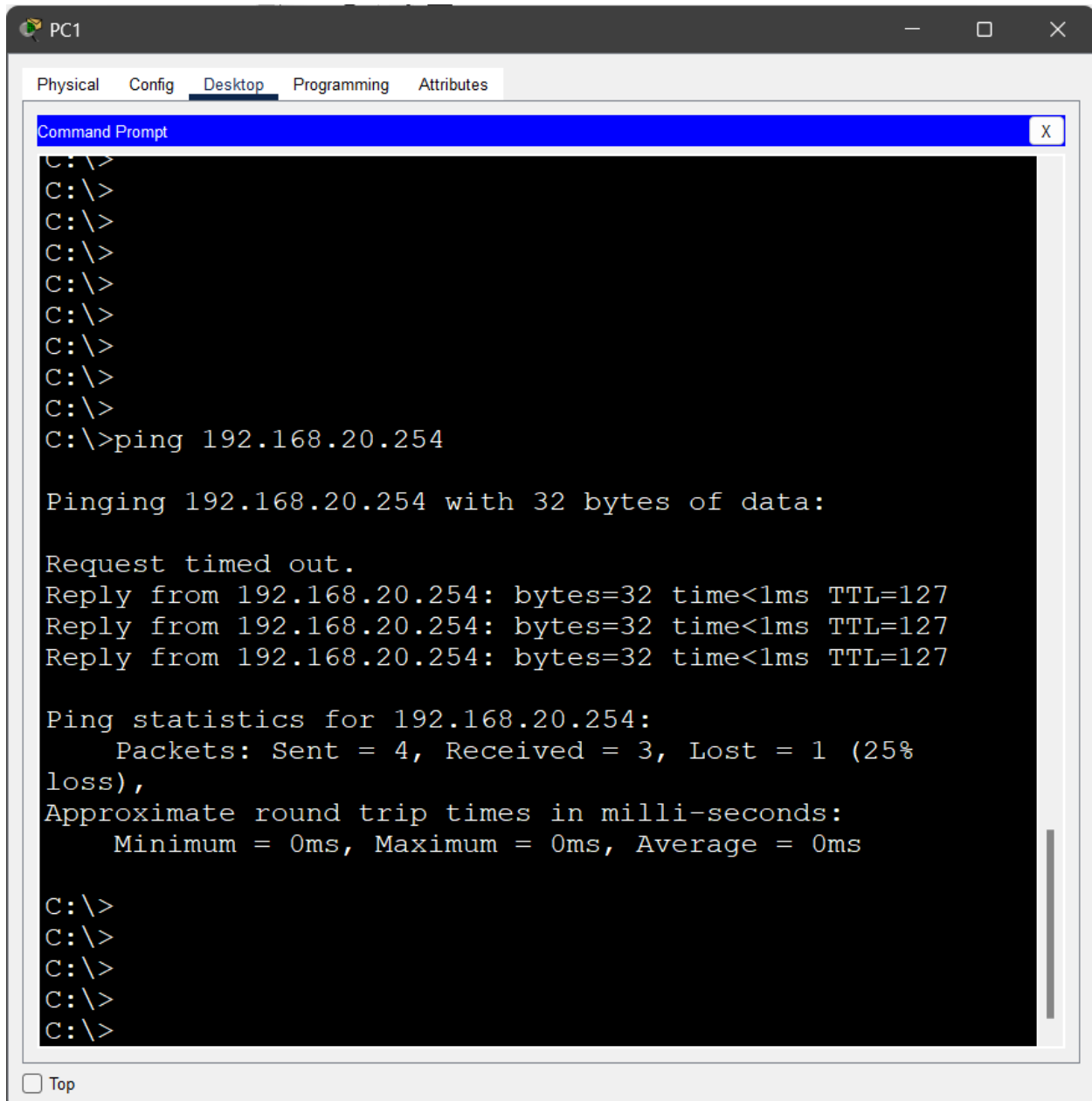
☐ Top

PC2 — □ ✕

Physical   Config   **Desktop**   Programming   Attributes

Command Prompt   [X]

```
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>ping 192.168.40.1

Pinging 192.168.40.1 with 32 bytes of data:

Reply from 192.168.40.1: bytes=32 time<1ms TTL=255
Reply from 192.168.40.1: bytes=32 time<1ms TTL=255
Reply from 192.168.40.1: bytes=32 time<1ms TTL=255
Reply from 192.168.40.1: bytes=32 time<1ms TTL=255

Ping statistics for 192.168.40.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

☐ Top

PC3

Physical   Config   Desktop   Programming   Attributes

Command Prompt   X

```
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>
C:\>ping 192.168.40.1

Pinging 192.168.40.1 with 32 bytes of data:

Reply from 192.168.40.1: bytes=32 time<1ms TTL=255
Reply from 192.168.40.1: bytes=32 time<1ms TTL=255
Reply from 192.168.40.1: bytes=32 time=1ms TTL=255
Reply from 192.168.40.1: bytes=32 time<1ms TTL=255

Ping statistics for 192.168.40.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\>
C:\>
C:\>
```

☐ Top

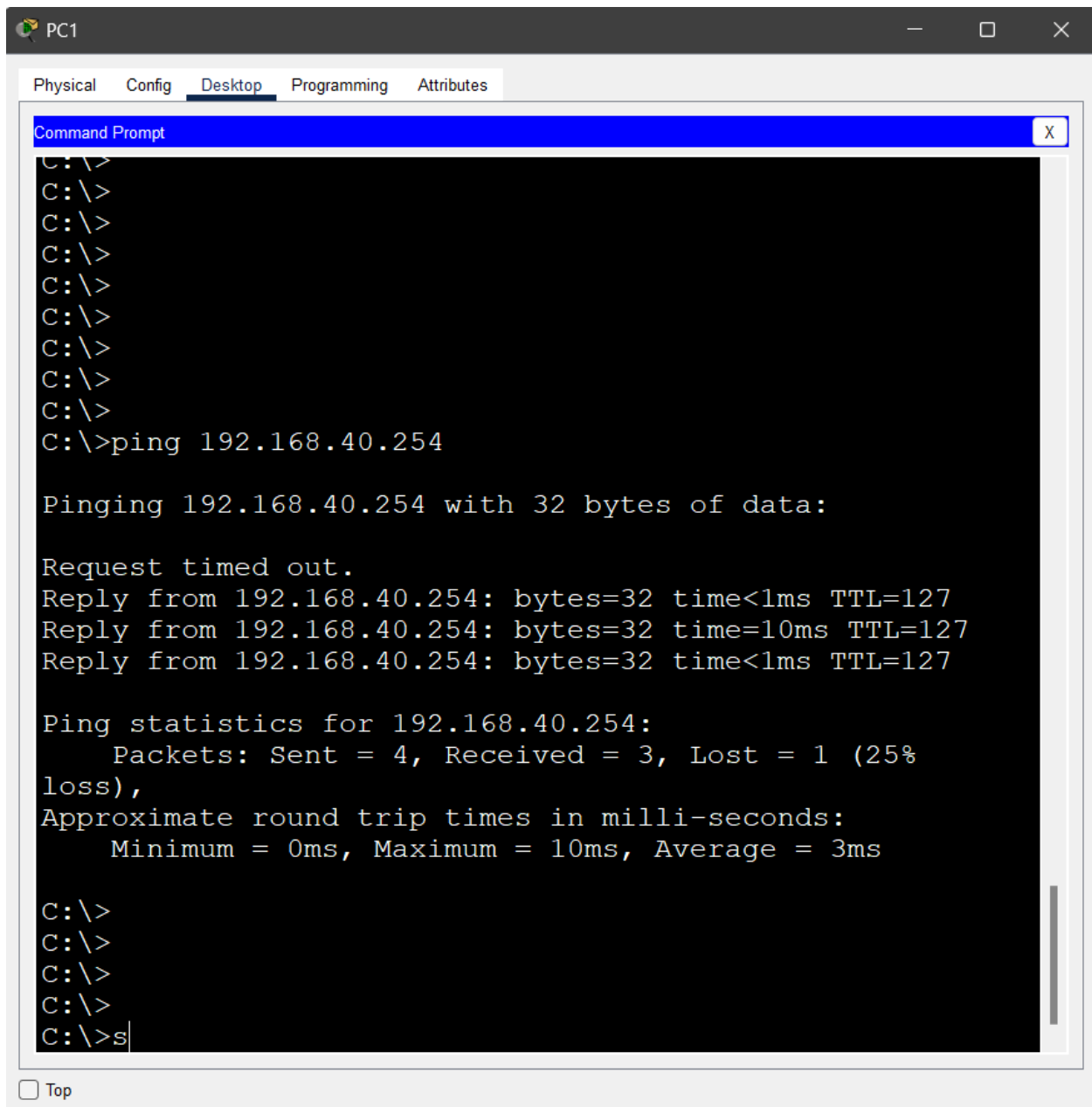**One screenshot of command prompt from PC1 showing successful ping between PC1 and DNS_Server**

One screenshot of command prompt from PC1 showing successful ping between PC1 and Web_Server

```
PC1                                                      —    □    X

 Physical   Config   Desktop   Programming   Attributes

 Command Prompt                                                    X
   C:\>
   C:\>
   C:\>
   C:\>
   C:\>
   C:\>
   C:\>
   C:\>
   C:\>
   C:\>ping 192.168.40.254

   Pinging 192.168.40.254 with 32 bytes of data:

   Request timed out.
   Reply from 192.168.40.254: bytes=32 time<1ms TTL=127
   Reply from 192.168.40.254: bytes=32 time=10ms TTL=127
   Reply from 192.168.40.254: bytes=32 time<1ms TTL=127

   Ping statistics for 192.168.40.254:
       Packets: Sent = 4, Received = 3, Lost = 1 (25%
   loss),
   Approximate round trip times in milli-seconds:
       Minimum = 0ms, Maximum = 10ms, Average = 3ms

   C:\>
   C:\>
   C:\>
   C:\>
   C:\>s

 Top
```
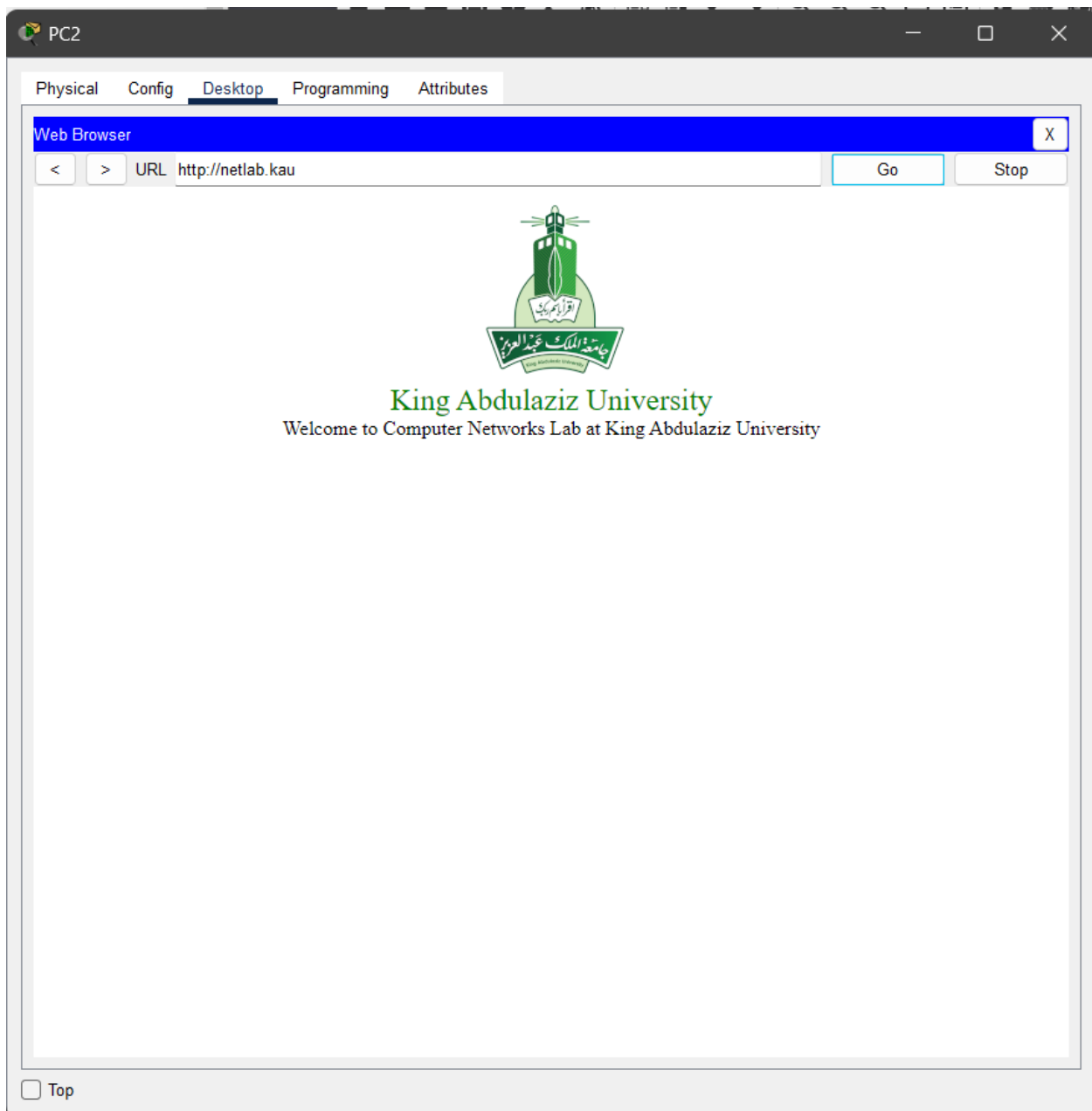
Three screenshots of Web Browser from all PCs showing the web page (http://netlab.kau)

PC1

Physical   Config   Desktop   Programming   Attributes

Web Browser   X

<   >   URL http://netlab.kau   Go   Stop

King Abdulaziz University
Welcome to Computer Networks Lab at King Abdulaziz University

PC2 — □ ✕

Physical | Config | **Desktop** | Programming | Attributes

< | > | URL | http://netlab.kau | Go | Stop

King Abdulaziz University
Welcome to Computer Networks Lab at King Abdulaziz University

☐ Top

Fa0/1   PC2

Interface Locked -- Cisco Packet Tracer   ✕

Lock Web Browser is locked by author's design for this activity.

OK

Not work in pc3 web