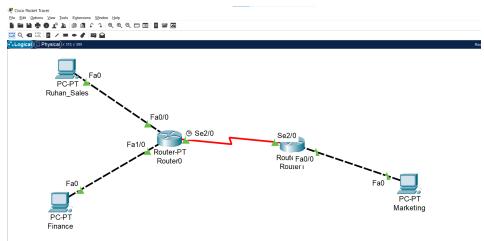
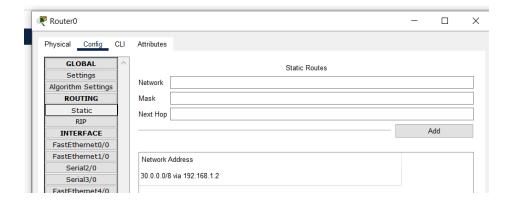
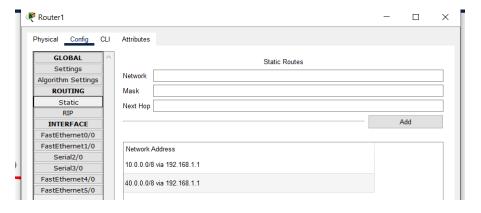
## Lab Work:

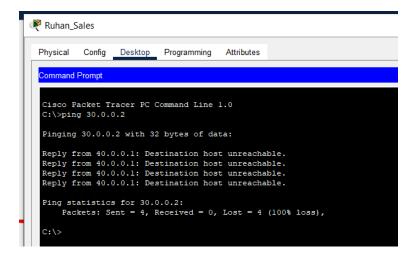
# Task 1:

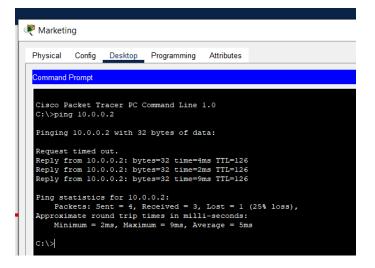






```
Router#e en
Router#config t
Enter configuration commands, one per line. End with CNTL/Z. Router(config) #access-list 1 permit 10.0.0.2 0.0.0.0 Router(config) #access-list 1 deny 40.0.0.2 0.0.0.0
Router(config)#in se2/0
Router(config-if)#ip access-group 1 out
Router(config-if)#
Router(config-if)#
Router(config-if) #exit
Router(config) #router rip
Router (config-router) #
Router(config-router) #end
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config) #
%SYS-5-CONFIG_I: Configured from console by console
Router(config) #show access-lists
% Invalid input detected at '^' marker.
Router(config) #exit
%SYS-5-CONFIG_I: Configured from console by console
Router#
Router#show access-lists
Standard IP access list 1
10 permit host 10.0.0.2
    20 deny host 40.0.0.2
```





## Task 2:

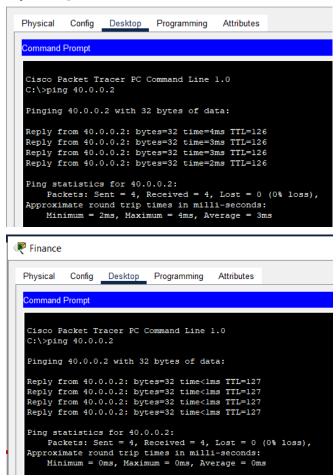
```
Router>
Router>
Router>en
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#access-list 110 deny icmp host 40.0.0.2 any echo
Router(config)#access-list 110 permit icmp any host 40.0.0.2 echo-reply
Router(config)#interface Se2/0
Router(config-if)#ip access-group 110 out
Router(config-if)#exit
Router(config-if)#access-group 110 out
Router(config-if)#access-group 110 out
Router(config-if)#ip access-group 110 out
Router(config-if)#ip access-group 110 out
Router(config-if)#ip access-group 110 out
Router(config-if)#ip access-group 110 out
Router(config-if)#
```

Co

```
🧗 Ruhan_Sales
 Physical Config Desktop Programming Attributes
  Command Prompt
  Cisco Packet Tracer PC Command Line 1.0 C:\>ping 40.0.0.2
  Pinging 40.0.0.2 with 32 bytes of data:
  Reply from 40.0.0.2: bytes=32 time=2ms TTL=128
  Reply from 40.0.0.2: bytes=32 time=5ms TTL=128
  Reply from 40.0.0.2: bytes=32 time<lms TTL=128
Reply from 40.0.0.2: bytes=32 time<lms TTL=128
  Ping statistics for 40.0.0.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
       Minimum = Oms, Maximum = 5ms, Average = 1ms
  C:\>ping 10.0.0.2
  Pinging 10.0.0.2 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 10.0.0.2:
      Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
  C:\>ping 30.0.0.2
  Pinging 30.0.0.2 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 30.0.0.2:
 Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),





#### Task 3:

```
Router#en
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config) #access-list 120 deny ip 10.0.0.0 0.255.255.255 30.0.0.0 0.255.255.255
Router(config) #access-list 120 permit ip any any
Router(config) #int fal/0
Router(config-if) #ip access-group 120 out
Router(config-if) #exit
Router(config) #interface fal/0
Router(config-if) #no ip access-group 120 out
Router(config-if) #ip access-group 120 in
Router(config-if) #ip access-group 120 in
Router(config-if) #
```

```
C:\>ping 10.0.0.0

Pinging 10.0.0.0 with 32 bytes of data:

Reply from 192.168.1.1: bytes=32 time=26ms TTL=254
Reply from 192.168.1.1: bytes=32 time=20ms TTL=254
Reply from 192.168.1.1: bytes=32 time=15ms TTL=254
Reply from 192.168.1.1: bytes=32 time=15ms TTL=254
Ping statistics for 10.0.0.0:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 15ms, Maximum = 26ms, Average = 19ms
```



```
Command Prompt

C:\>ping 30.0.0.0

Pinging 30.0.0.0 with 32 bytes of data:

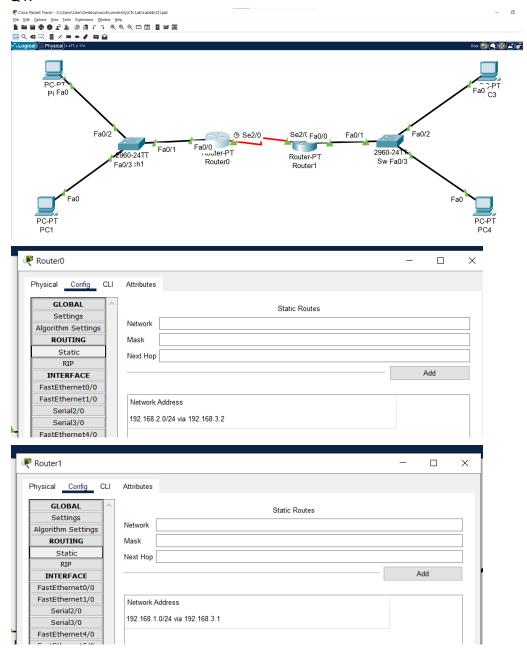
Reply from 10.0.0.1: Destination host unreachable.

Ping statistics for 30.0.0.0:

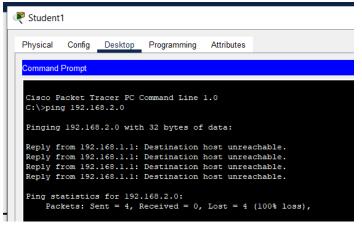
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

# Lab Tasks:

# Q1:



#### Part 1:



```
Physical Config Desktop Programming Attributes

Command Prompt

Cisco Packet Tracer PC Command Line 1.0

C:\>ping 192.168.1.0

Pinging 192.168.1.0 with 32 bytes of data:

Reply from 192.168.3.1: bytes=32 time=lms TTL=254

Reply from 192.168.3.1: bytes=32 time=17ms TTL=254

Reply from 192.168.3.1: bytes=32 time=17ms TTL=254

Reply from 192.168.3.1: bytes=32 time=21ms TTL=254

Reply from 192.168.3.1: bytes=32 time=21ms TTL=254

Ping statistics for 192.168.1.0:

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

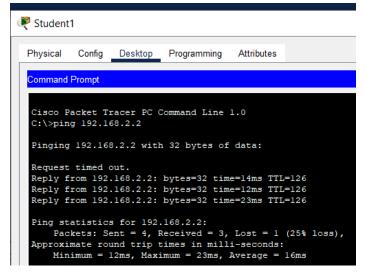
Approximate round trip times in milli-seconds:

Minimum = lms, Maximum = 21ms, Average = 14ms

C:\>
```

## Part 2:

```
Router#en
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#access-list 101 permit ip host 192.168.1.2 192.168.2.0 0.0.0.255
Router(config)#access-list 101 deny ip 192.168.1.0 0.0.0.255 192.168.2.0 0.0.0.255
Router(config)#access-list 101 permit ip any any
Router(config)#interface se2/0
Router(config-if)#ip access-group 101 out
Router(config-if)#
```



# Student2

```
Physical Config Desktop Programming Attributes

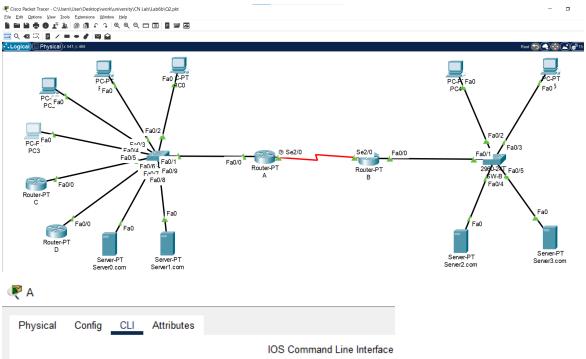
Command Prompt

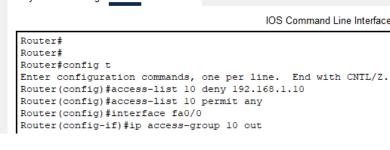
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.2.2

Pinging 192.168.2.2 with 32 bytes of data:

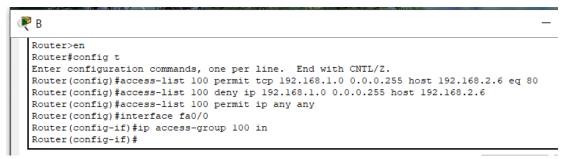
Reply from 192.168.1.1: Destination host unreachable.
Ping statistics for 192.168.2.2:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```

1.





```
№ PC3
                 Config Desktop Programming
  Physical
                                                                 Attributes
    ommand Prompt
   Cisco Packet Tracer PC Command Line 1.0
   C:\>ping 192.168.1.8
   Pinging 192.168.1.8 with 32 bytes of data:
   Reply from 192.168.1.8: bytes=32 time<1ms TTL=128
   Reply from 192.168.1.8: bytes=32 time<lms TTL=128
Reply from 192.168.1.8: bytes=32 time<lms TTL=128
Reply from 192.168.1.8: bytes=32 time<lms TTL=128
   Ping statistics for 192.168.1.8:
   Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
    C:\>ping 192.168.2.5
   Pinging 192.168.2.5 with 32 bytes of data:
  Reply from 192.168.1.1: Destination host unreachable.
   Ping statistics for 192.168.2.5:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),
```



```
Command Prompt

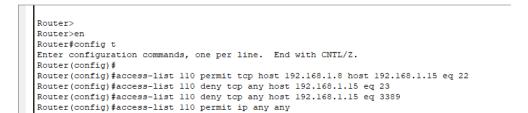
Cisco Packet Tracer PC Command Line 1.0
C:\>telnet 192.168.2.6 80
Trying 192.168.2.6 ...Open

C:\>telnet 192.168.2.6 22
Trying 192.168.2.6 ...
```

% Connection timed out; remote host not responding

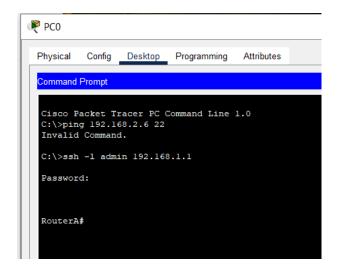
3.

P A



Router(config)#interface fa0/0 Router(config-if)#ip access-group 110 in

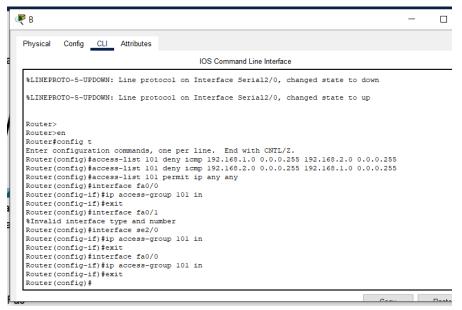
Router(config-if)#



```
C:\>ssh -1 admin 192.168.1.1

% Connection timed out; remote host not responding
C:\>
```

## 4.



```
Physical Config Desktop Programming Attributes

Command Prompt

C:\>ping 192.168.2.5

Pinging 192.168.2.5 with 32 bytes of data:

Reply from 192.168.1.1: Destination host unreachable.

Ping statistics for 192.168.2.5:

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

C:\>ping 192.168.1.9

Pinging 192.168.1.9 with 32 bytes of data:

Reply from 192.168.1.9: bytes=32 time<lms TTL=128

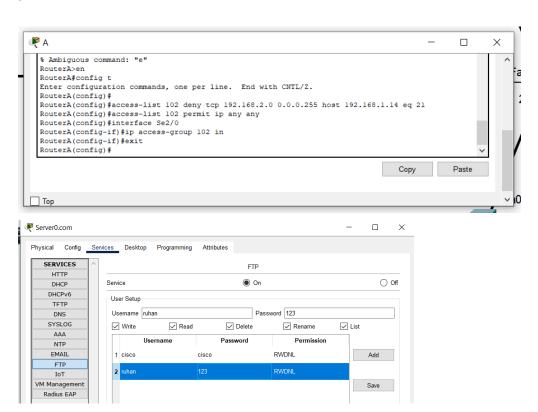
Ping statistics for 192.168.1.9:

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

Approximate round trip times in milli-seconds:

Minimum = Oms, Maximum = Oms, Average = Oms
```

5.



```
PC0
```

```
C:\>ftp 192.168.1.14

Trying to connect...192.168.1.14

Connected to 192.168.1.14

220- Welcome to PT Ftp server

Username:ruhan

331- Username ok, need password

Password:

230- Logged in
(passive mode On)

ftp>
```

```
C:\>ftp 192.168.1.14
Trying to connect...192.168.1.14
%Error opening ftp://192.168.1.14/ (Timed out)
.

(Disconnecting from ftp server)
```