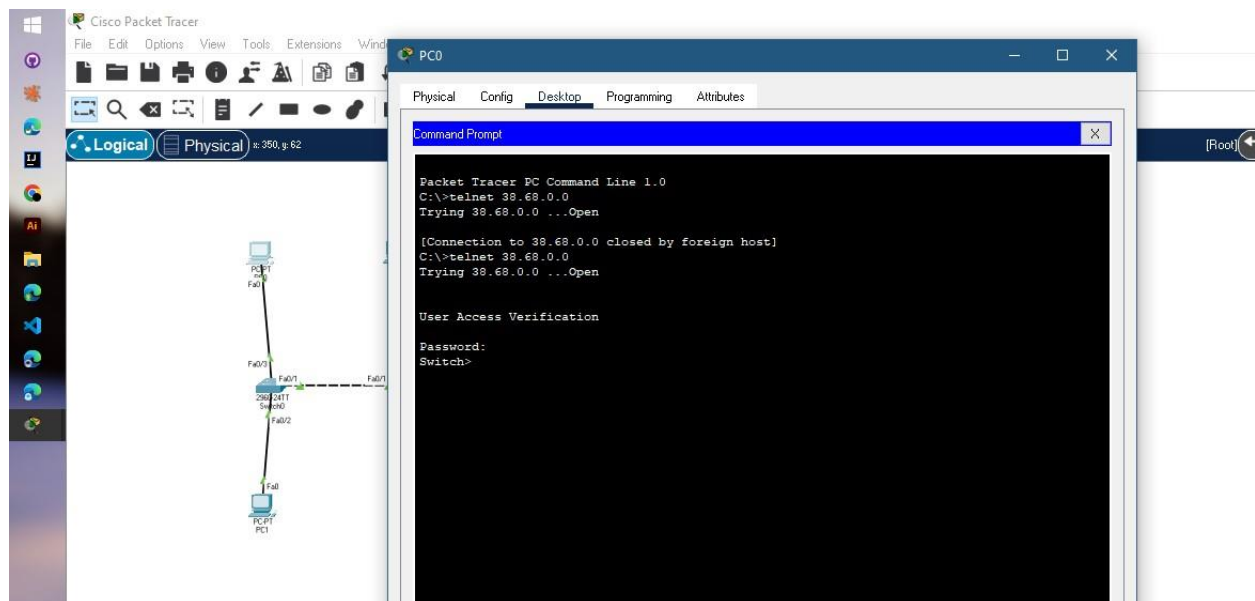
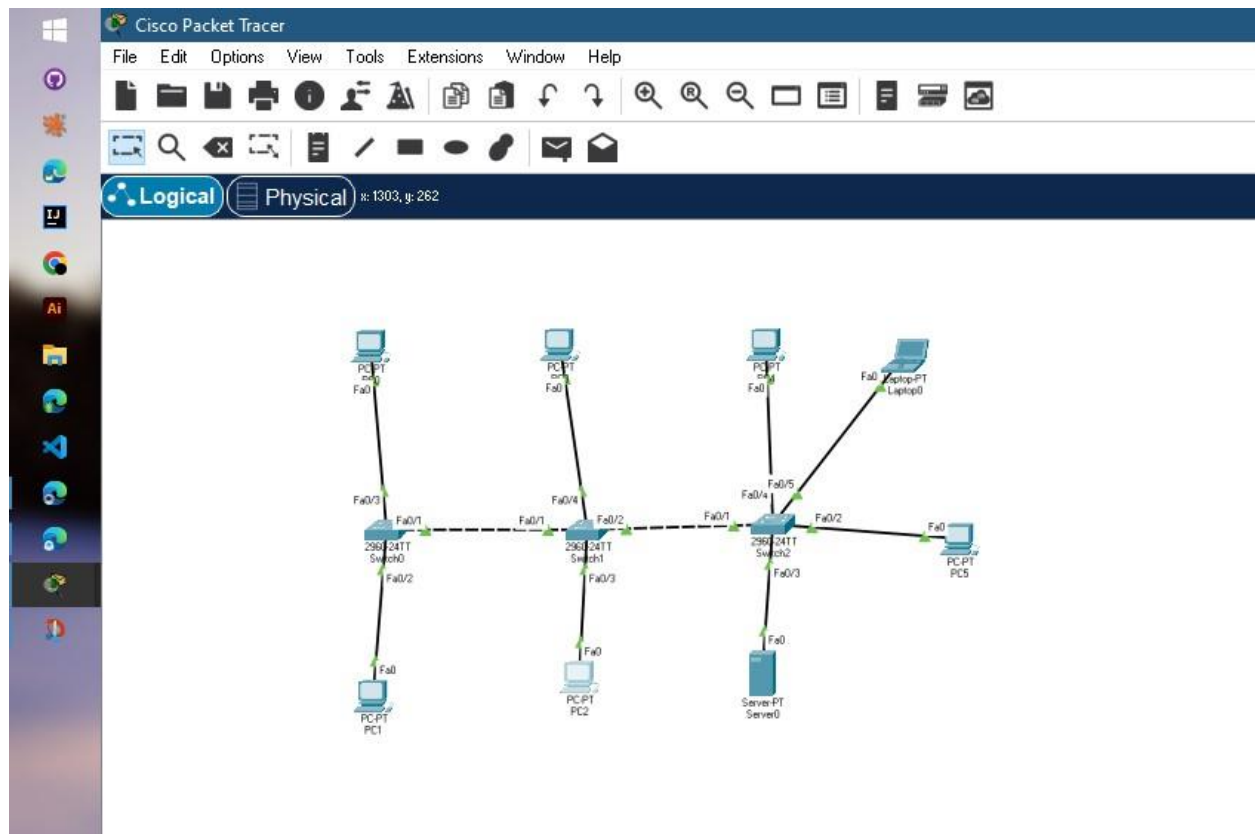
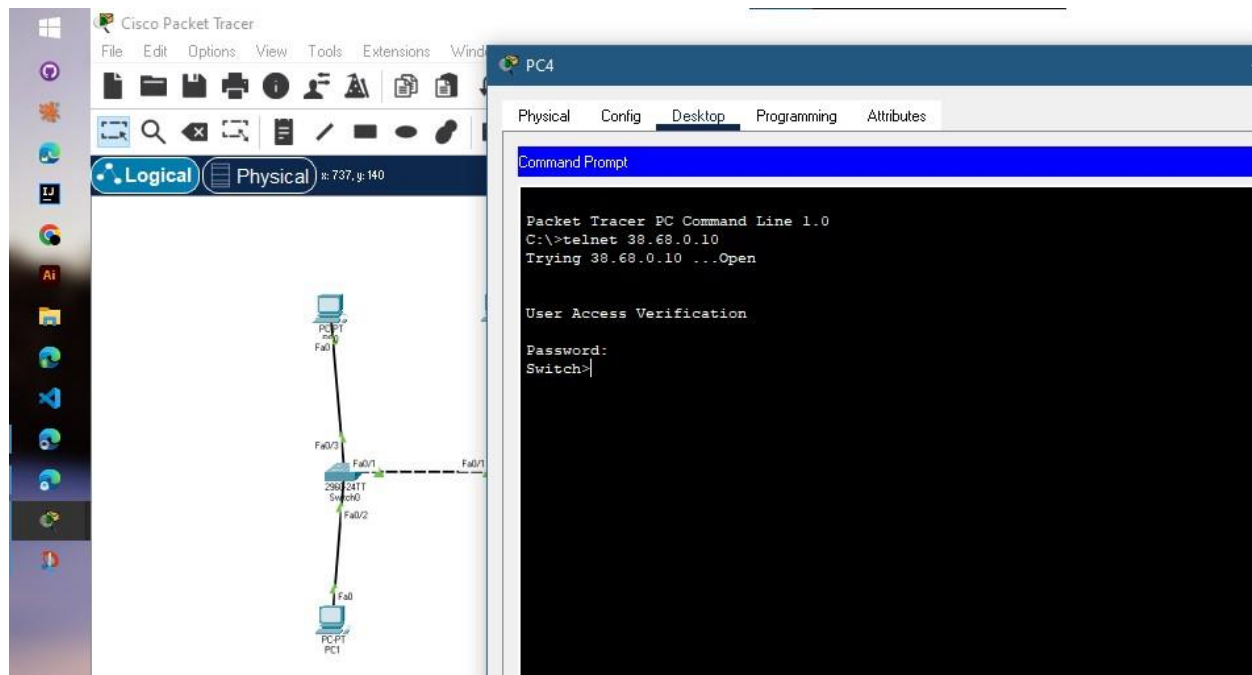
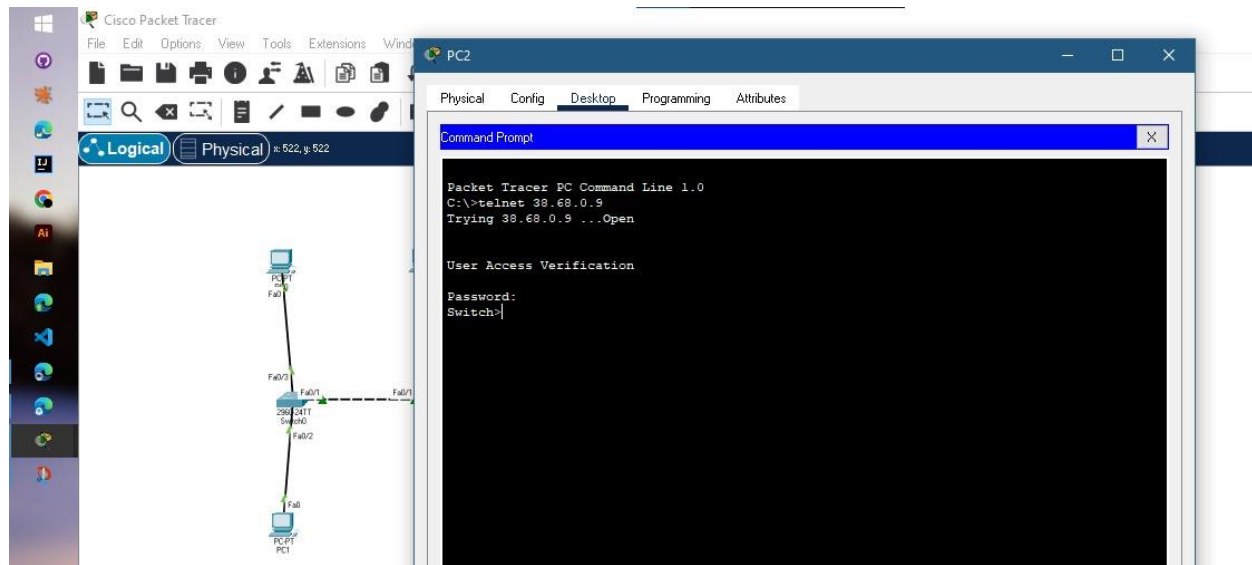


## QUESTION 1:

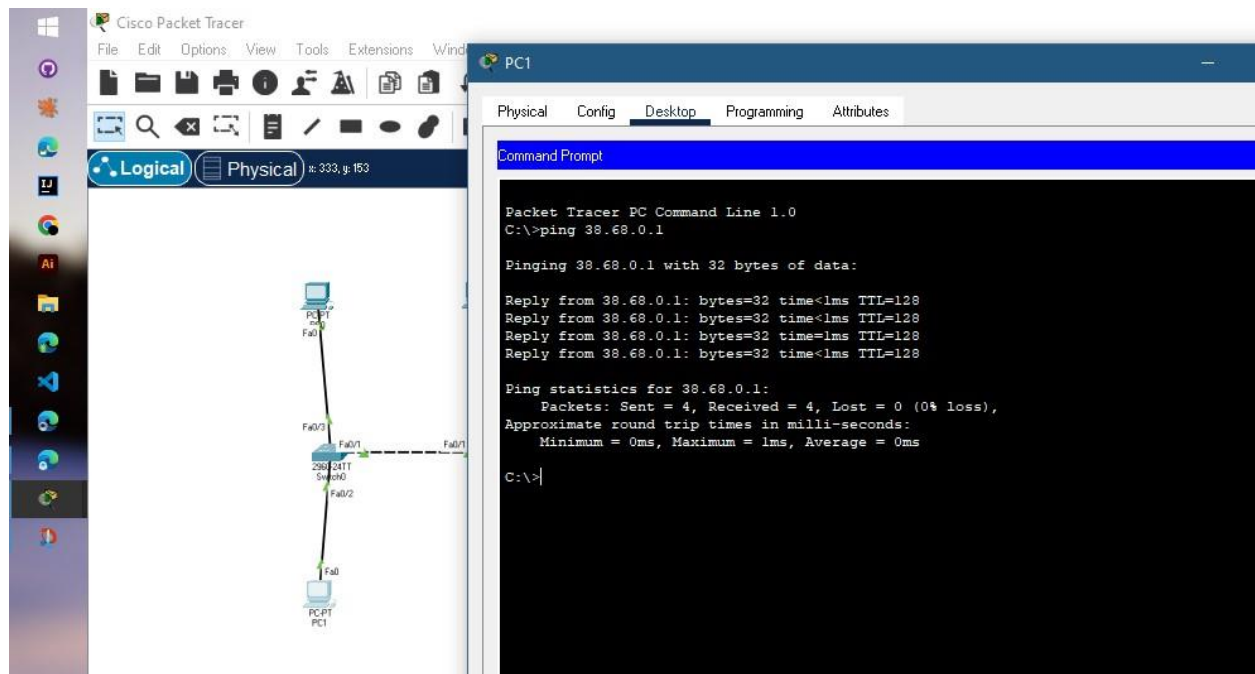
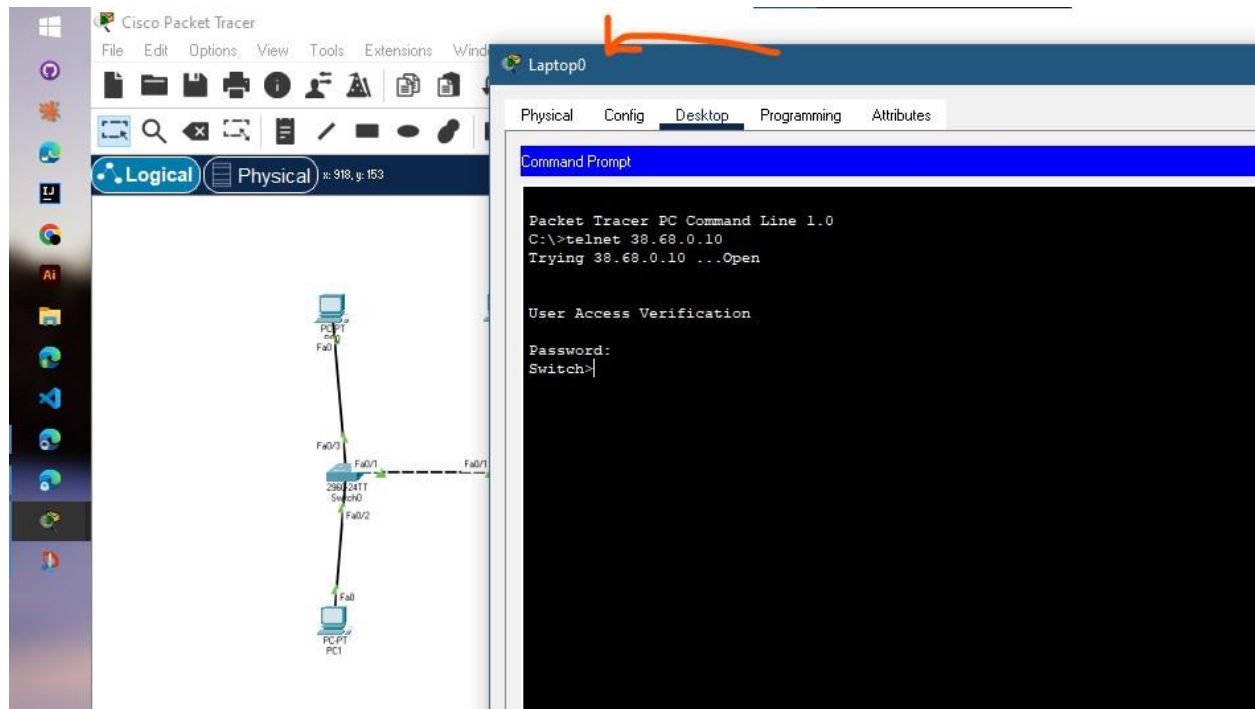




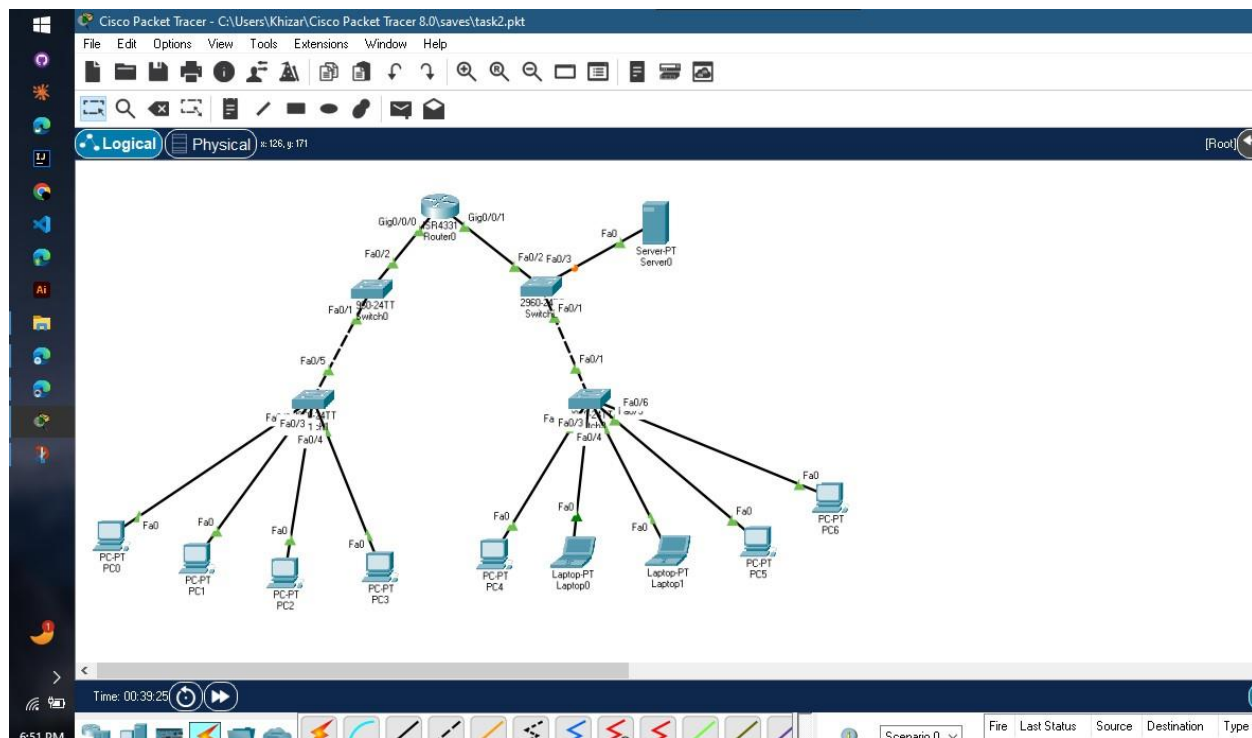
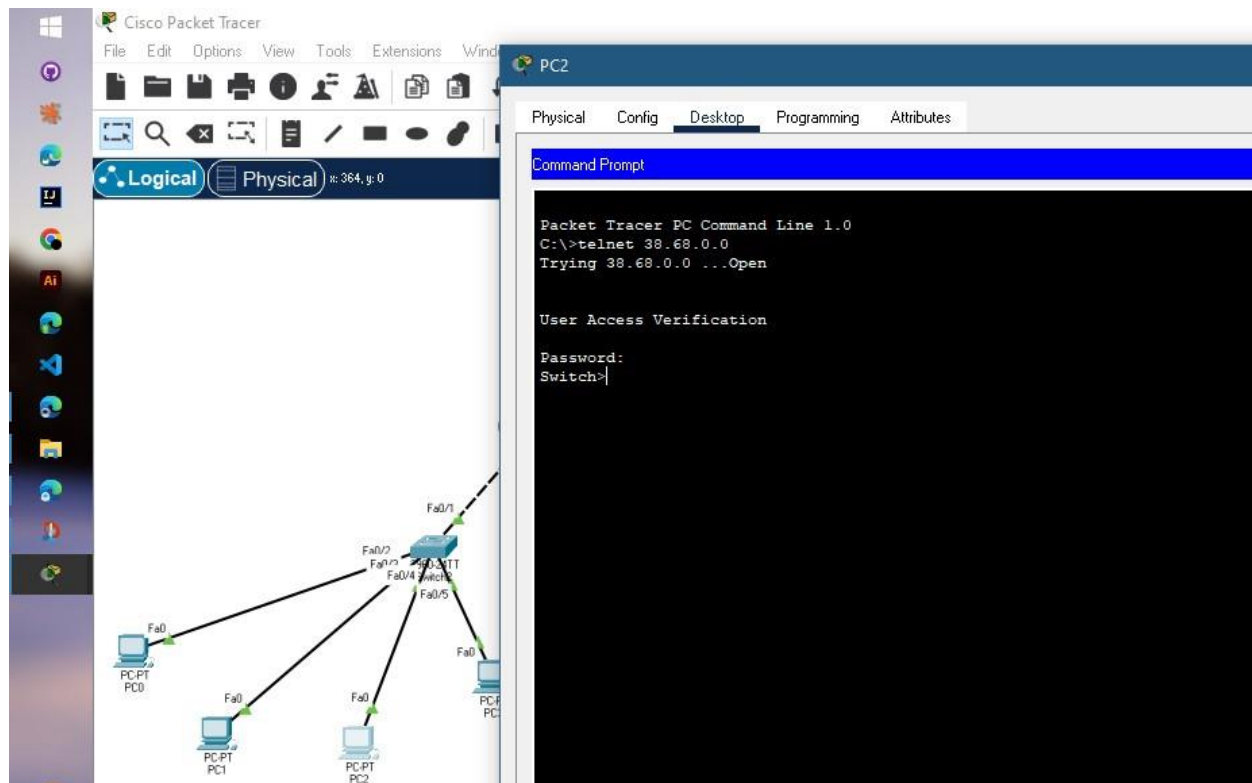
K213868

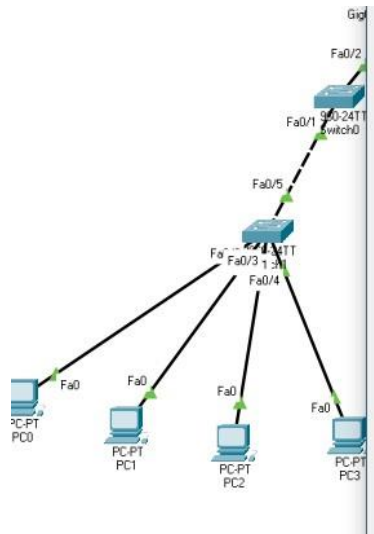
LAB 8

KHIZAR ALAM



## QUESTION 2:





```

Router>enable
Router#
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface GigabitEthernet0/0/1
Router(config-if)#ip address 192.168.68.1 255.255.255.0
Router(config-if)#ip address 192.168.68.1 255.255.255.0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface GigabitEthernet0/0/1
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0/1, changed state to up

Router(config-if)#hostname khizar
khizar(config)#enable password 123
khizar(config)#
  
```

Ctrl+F6 to exit CLI focus

Copy Paste

me: 00:47:42

Top

```

%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0/1, changed state to up

Router(config-if)#hostname khizar
khizar(config)#enable password 123
khizar(config)#line vty 0 15
khizar(config-line)#login local
khizar(config-line)#transport input ssh

% Invalid input detected at '^' marker.

khizar(config-line)#transport input ssh
khizar(config-line)#exit
khizar(config)#username khizar password khizar

% Invalid input detected at '^' marker.

khizar(config)#username khizar password khizar
khizar(config)#ip domain-name khizar.com
khizar(config)#
  
```

Ctrl+F6 to exit CLI focus

Copy Paste

me: 00:47:42

Top

Scenario 0

Delete

PDU List Window

Fire	Last Status	Source	Destination	Ty

```
khizar(config)#username khizar password khizar
khizar(config)#ip domain-name khizar.com
khizar(config)#crypto key generate rsa
The name for the keys will be: khizar.khizar.com
Choose the size of the key modulus in the range of 360 to 2048 for your
  General Purpose Keys. Choosing a key modulus greater than 512 may take
  a few minutes.

How many bits in the modulus [512]:
% Generating 512 bit RSA keys, keys will be non-exportable...[OK]

khizar(config)#exit
*Mar 1 0:51:14.34: RSA key size needs to be at least 768 bits for ssh version 2
*Mar 1 0:51:14.35: %SSH-5-ENABLED: SSH 1.5 has been enabled
khizar#
%SYS-5-CONFIG_I: Configured from console by console

khizar#
```

Ctrl+F6 to exit CLI focus

Copy

Paste

Cisco Packet Tracer - C:\Users\Khizar\Cisco Packet Tracer 8.0\saves\task2.pkt

File Edit Options View Tools Extensions Windows

Router0

Physical Config CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

GigabitEthernet0/0/0

GigabitEthernet0/0/1

GigabitEthernet0/0/2

GigabitEthernet0/0/1

Port Status ☒ On

Bandwidth ☐ 1000 Mbps ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☐ Half Duplex ☒ Full Duplex ☒ Auto

MAC Address 0001.9797.D802

IP Configuration

IPv4 Address 192.168.68.1

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface GigabitEthernet0/0/1, changed state to up

khizar>enable
Password:
```

Cisco Packet Tracer - C:\Users\Khizar\Cisco Packet Tracer 8.0\saves\task2.pkt

File Edit Options View Tools Extensions Windows

Logical Physical x: 622, y: 467

Physical Config Desktop Programming Attributes

Command Prompt

```
Packet Tracer PC Command Line 1.0
C:\>ping 192.168.10.6

Pinging 192.168.10.6 with 32 bytes of data:

Reply from 192.168.10.6: bytes=32 time=32ms TTL=128
Reply from 192.168.10.6: bytes=32 time<1ms TTL=128
Reply from 192.168.10.6: bytes=32 time=36ms TTL=128
Reply from 192.168.10.6: bytes=32 time=1ms TTL=128

Ping statistics for 192.168.10.6:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 36ms, Average = 17ms

C:\>|
```

Diagram showing three PC-PT devices (PC0, PC1, PC2) connected to a central switch. PC0 is connected to Fa0/24, PC1 to Fa0/23, and PC2 to Fa0/22. The switch is labeled Fa0/24, Fa0/23, and Fa0/22.