

Name =

Abubaker Attique

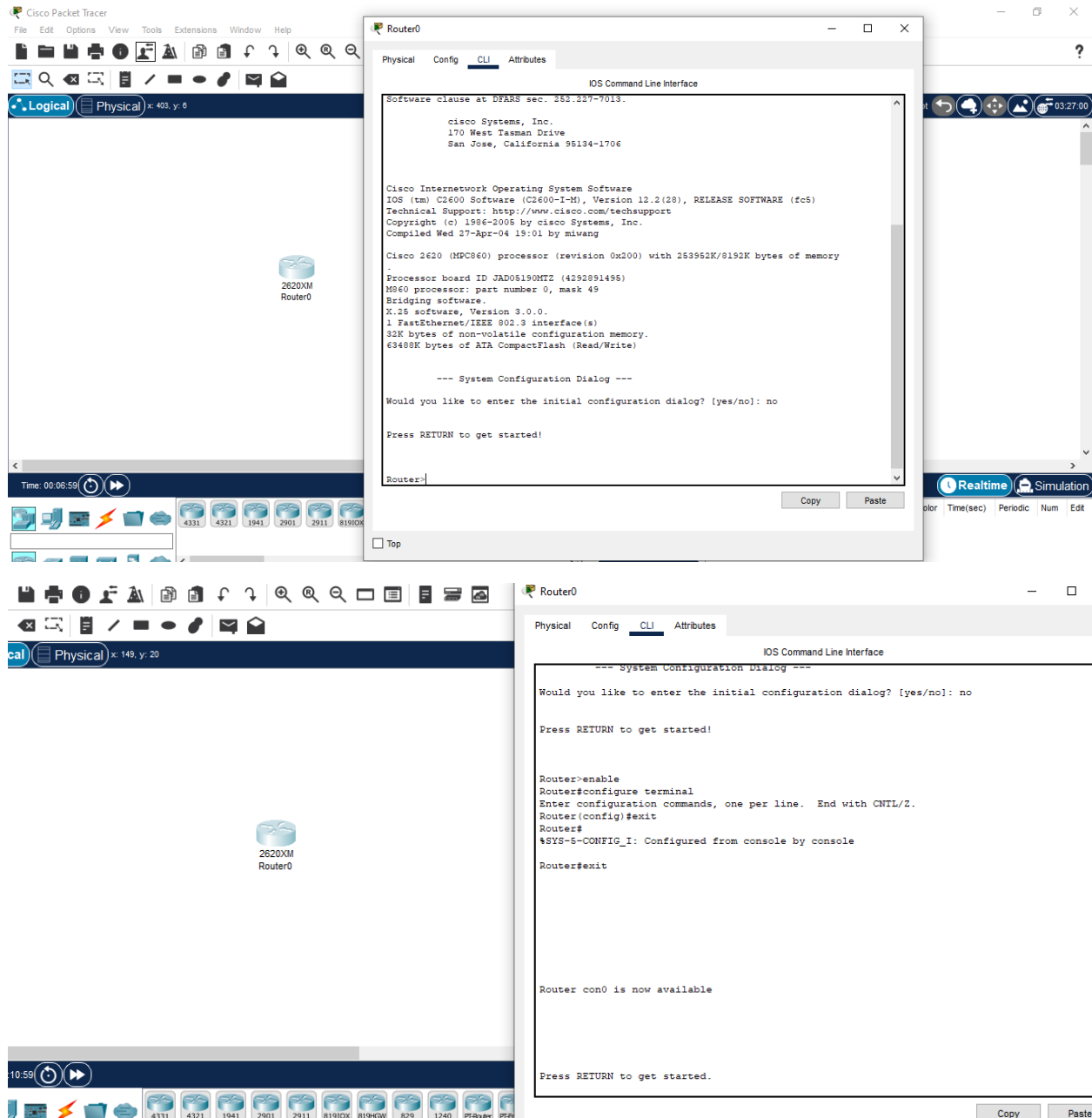
Roll no =

P20-0560

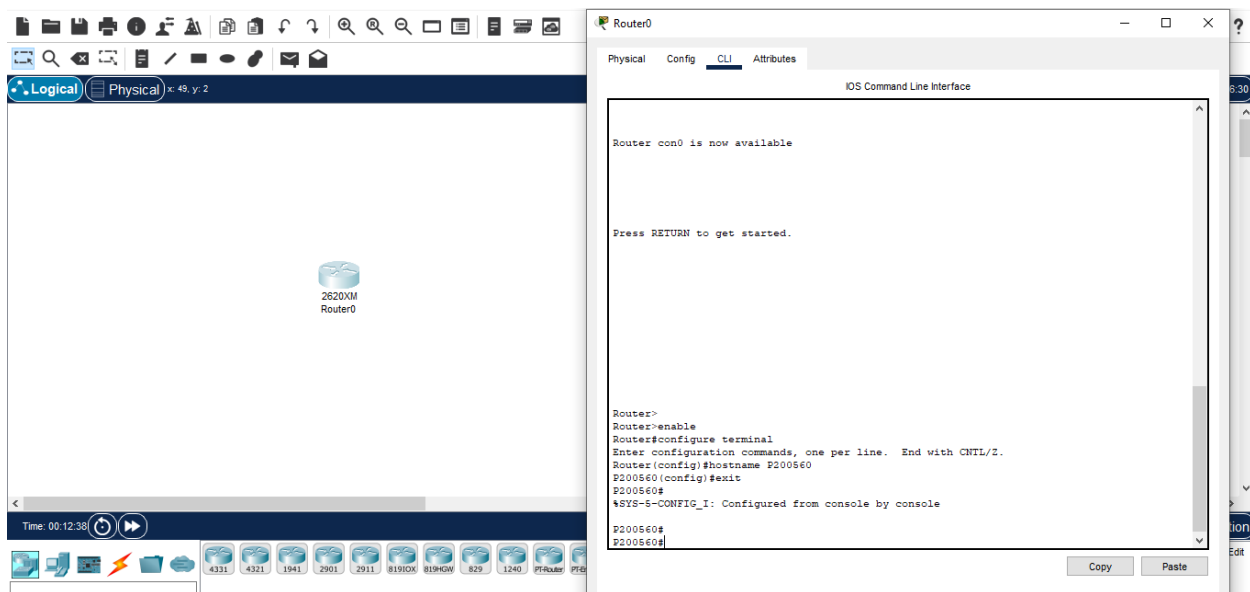
Section =

5-A

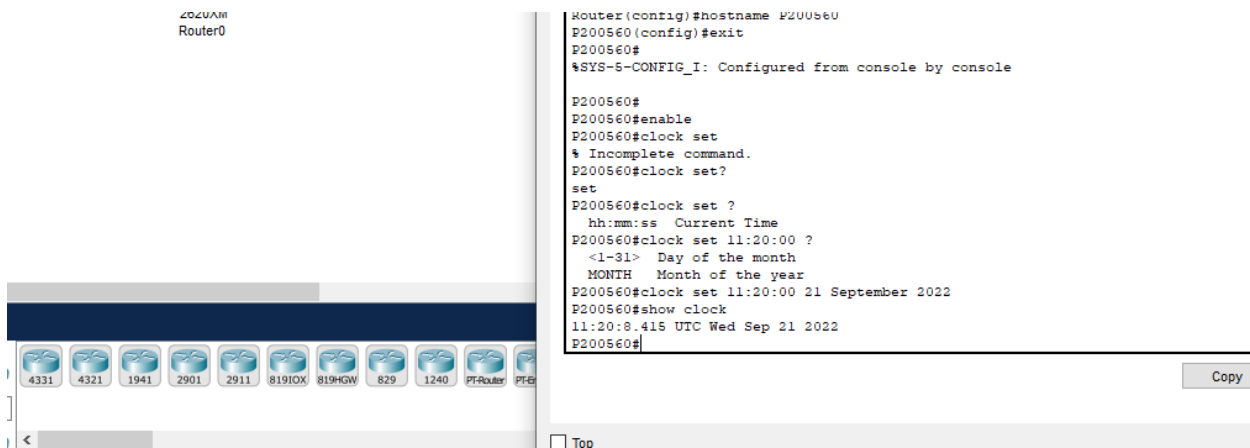
1.Setting Router Modes on 2600 Series Routers



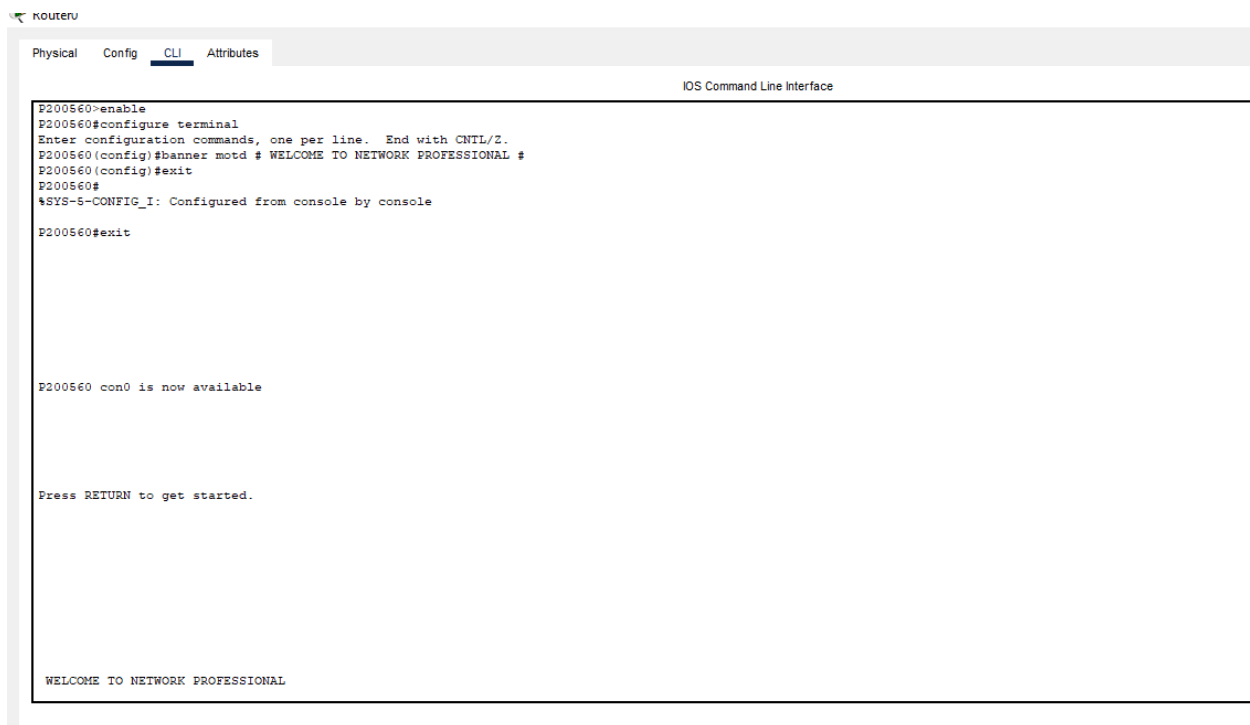
2. Changing Hostname of the Router



3. Configuring Date and Time on the Router (Clock Set Command)



4. Setting a banner on the Router



5. Displaying the Router's Running-Configuration and Start-Up Configuration

```
P200560>enable
```

```
P200560#show running-config
```

```
Building configuration...
```

```
Current configuration : 457 bytes
```

```
!
```

```
version 12.2
```

```
no service timestamps log datetime msec
```

```
no service timestamps debug datetime msec
```

```
no service password-encryption
```

```
!
```

```
hostname P200560
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
ip cef
```

no ipv6 cef

! ! ! ! ! ! ! ! ! ! ! ! ! ! ! !

```
interface FastEthernet0/0
```

no ip address

duplex auto

speed auto

shutdown

!

ip classless

!

ip flow-export version 9

!

banner motd ^C WELCOME TO NETWORK PROFESSIONAL ^C

!

line con 0

!

line aux 0

!

```
line vty 0 4
```

login

!

End

```
WELCOME TO NETWORK PROFESSIONAL

User Access Verification

Password:

P200560>enable
Password:
P200560#show startup-config
startup-config is not present
P200560#
```

6. Enable Password and Enable Secret Password with the Encryption Techniques/Levels

Password For Privileged Mode

```
P200560>enable
P200560#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
P200560(config)#enable password S_3
P200560(config)#
P200560(config)#exit
P200560#
%SYS-5-CONFIG_I: Configured from console by console

P200560#exit

P200560 con0 is now available

Press RETURN to get started.
```

```
P200560(config)#  
P200560(config)#exit  
P200560#  
%SYS-5-CONFIG_I: Configured from console by console  
P200560#exit
```

P200560 con0 is now available

Press RETURN to get started.

WELCOME TO NETWORK PROFESSIONAL

```
P200560>enable  
Password:  
P200560#
```

```
* Unknown command or computer name, or unable to find computer address
```

```
P200560>enable
```

```
Password:
```

```
Password:
```

```
P200560#show running-config
```

```
Building configuration...
```

```
Current configuration : 479 bytes
```

```
!
```

```
version 12.2
```

```
no service timestamps log datetime msec
```

```
no service timestamps debug datetime msec
```

```
no service password-encryption
```

```
!
```

```
hostname P200560
```

```
!
```

```
!
```

```
!
```

```
enable password S_3
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
ip cef
```

```
no ipv6 cef
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```

```
!
```



```
!  
!  
!  
interface FastEthernet0/0  
  no ip address  
  duplex auto  
  speed auto  
  shutdown  
!  
ip classless  
!  
ip flow-export version 9  
!  
!  
!  
banner motd ^C WELCOME TO NETWORK PROFESSIONAL ^C  
!  
!  
!  
!  
line con 0  
!  
line aux 0  
!  
line vty 0 4  
  login  
!  
!  
!  
end  
  
P200560#  
P200560#|
```

7. Line Console Password Implementation on CISCO 2600 Series Router

```

P200560#
P200560#enable
P200560#configure terminal
Enter configuration commands, one per line. End with CN
P200560(config)#line console 0
P200560(config-line)#password IP123
P200560(config-line)#login
P200560(config-line)#end
P200560#
%SYS-5-CONFIG_I: Configured from console by console

P200560#exit

```

P200560 con0 is now available

Press RETURN to get started.

WELCOME TO NETWORK PROFESSIONAL

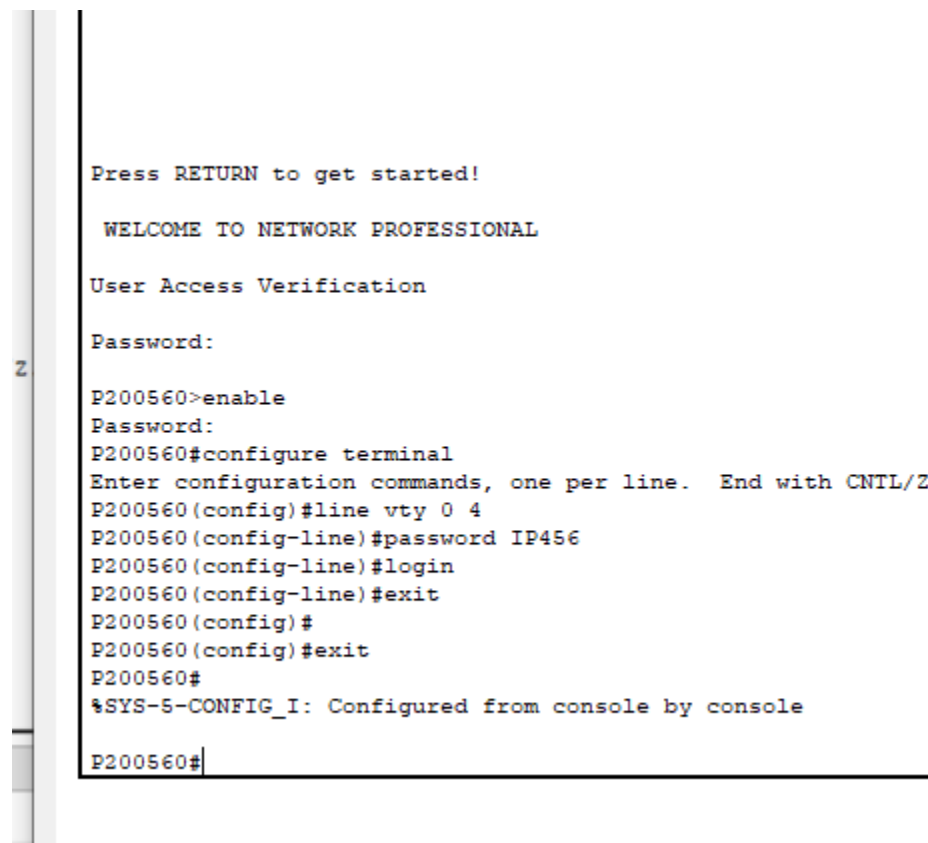
User Access Verification

Password: |

8. What is Telnet? How to Telnet? + Line VTY/Telnet Password

Telnet is a network protocol used to virtually access a computer and to provide a two-way, collaborative and text-based

communication channel between two machines. It follows a user command Transmission Control Protocol/Internet Protocol (TCP/IP) networking protocol for creating remote sessions. Telnet is a text-based program that lets you access the console on a router or other device and issue commands. You can Telnet into a router using the Telnet client included with Windows. Unlike other protocols, Telnet isn't secure and shouldn't be used over the Internet.



```
Press RETURN to get started!

WELCOME TO NETWORK PROFESSIONAL

User Access Verification

Password:

P200560>enable
Password:
P200560#configure terminal
Enter configuration commands, one per line.  End with CNTL/Z.
P200560(config)#line vty 0 4
P200560(config-line)#password IP456
P200560(config-line)#login
P200560(config-line)#exit
P200560(config)#
P200560(config)#exit
P200560#
%SYS-5-CONFIG_I: Configured from console by console

P200560#
```

9. Usage of Router with different topology.

1. Star topology for wireless networks

2. P2P Topology.
3. Bus Topology.
4. Ring Topology.
5. Tree Topology.
6. Mesh Topology.
7. Hybrid Topology.

