COMPUTER NETWORKS LAB



HOME WORK

LAB # 03

Submitted By

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5A

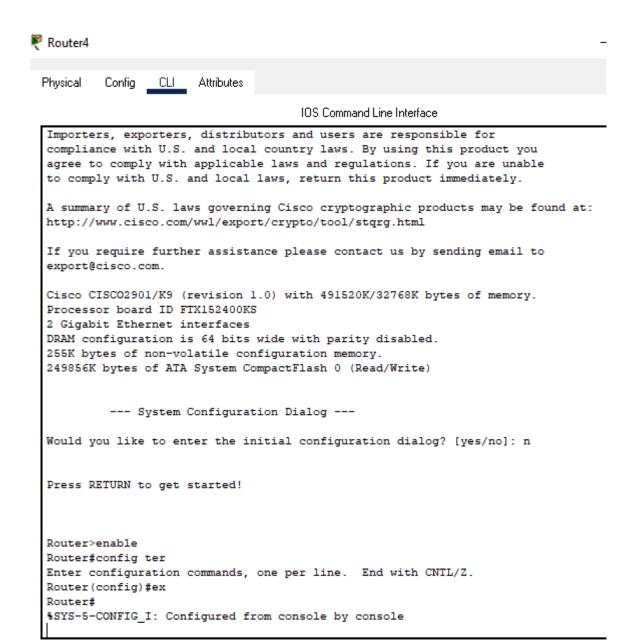
Submitted To

MS.HURMAT HIDAYAT

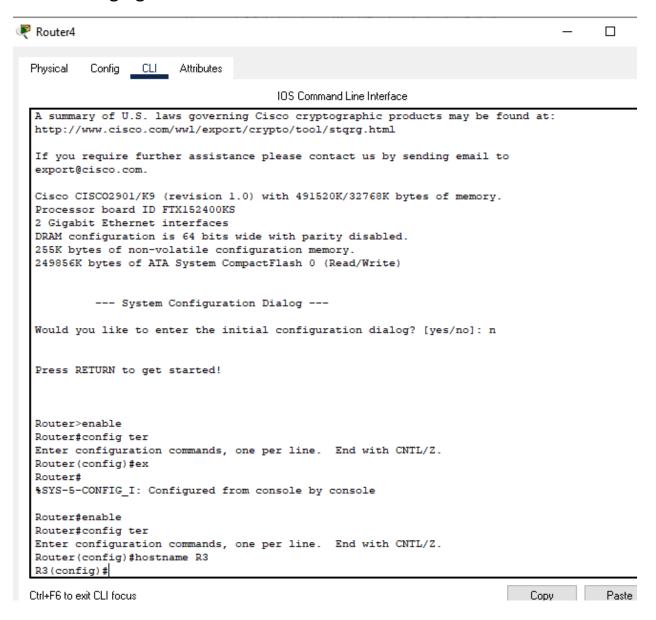
(INSTRUCTOR CS)

Fast National University of Computer and Emerging
Sciences, Peshawar
Department of Computer Science

1. Setting Router Modes on 2600 Series Router.



2. Changing Hostname of the Router.



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

```
Ri#clock set 12:15:00
% Incomplete command.
Ri#clock set 1:53:00 21 september 2022
RI#
```

4. Setting a banner on the Router

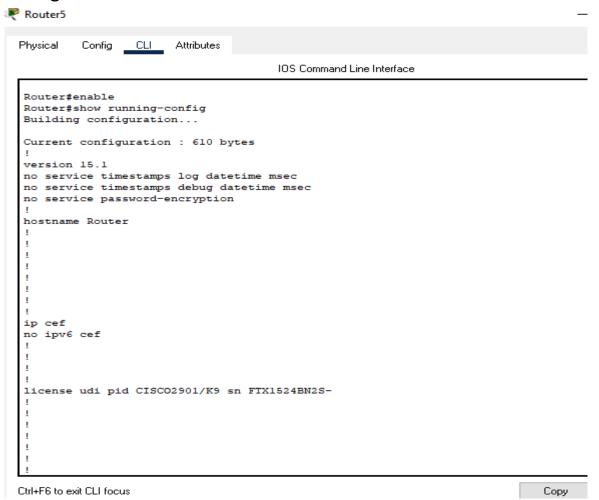
```
%SYS-5-CONFIG_I: Configured from console by console

R3#config ter
Enter configuration commands, one per line. End with CNTL/Z.
R3(config)#banner motd#Wellcome to CN lab

% Invalid input detected at '^' marker.

R3(config)#banner motd # Wellcome to CN lab
Enter TEXT message. End with the character '#'.
```

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



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

```
Welcome To CN Lab
banner motd
User Access Verification
Password:
R1>enable
R1#
```

banner motd User Access Verification Password: R1>enable Rl#configure ter Enter configuration commands, one per line. End with CNTL/Z. R1(config)#line vty 0 4 R1(config-line) #password NP456 Rl(config-line) #login Rl(config-line) #exit Rl(config)#line aux 0 R1(config-line) #password NP@789 Rl(config-line)#EXIT R1(config)#login % Invalid input detected at '^' marker. R1(config) #login % Invalid input detected at '^' marker. R1(config)#

Ctrl+F6 to exit CLI focus

Ctrl+F6 to exit CLI focus

7. Line Console Password Implementation on CISCO 2600 Series Router

```
#configure terminal

(config)#line console 0

(config-line)#password NP123

(config-line)#login

(config-line)#end

R1>CONFIG TER

% Invalid input detected at '^' marker.

R1>enable
Password:
R1#
```

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

```
P# configure terminal

P(config)# line vty 0 4

P(config-line) # password NP456

P(config-line)# login

P(config-line)# exit

P(config)# exit

P#
```

culter a larger train.

```
Enter configuration commands, one per line. End with CNTL/Z.
Rl(config) #enable secret NP333
Rl(config) #exit
Rl#
%SYS-5-CONFIG_I: Configured from console by console
Rl#
```

9. Usage of Router with different topology.

