**LAB-5**

**COFIGURING ROUTER FROM CLI**

**HERE IS STEP BY STEP PROCEDURE**

**STEPS:**

1. In this practical we will configure router with CLI.
2. First we will change the name of router we will type command **enable** and then for going into configuration terminal we will type command **configure-terminal** and we will type **hostname R1**. The name of the router will be R1 from now.
3. We will type exit to exit from configure terminal.

**SETTING UP USER/CONSOLE MODE PASSWORD:**

1. For setting up console password we will type enable to enter into privilege mode.
2. We will type **config-terminal** and after that **line console 0** as we are working on it. If the line console we are working is different like line 2 than we should mention its name instead of line 0.
3. Type command **password abcd1234** and after the password command is our password that we have to set.
4. Type exit.

**SETTING UP PRIVILEGE MODE PASSOWORD:**

1. For this purpose we will type command **enable** for going into the privilege mode.
2. Now we will type command **config-terminal** and after we will type **enable password Password here** and we will type our password.
3. After setting the password we will type **exit** to exit from privilege mode.

**REMOVING ALL PASSWORDS:**

1. Now will remove privilege and console password.
2. For privilege password removal we will type **enable** for going into the privilege mode and type **no enable password** and password will be removed from privilege mode.
3. Now we will type **line console 0** and then we will type this command in order **no password** and in next line **no login.**
4. All passwords are removed from console 0 as we were working on line console 0.
5. For saving all your all your configuration type **wr** and all configuration will be saved.

**DISABLING DNS LOOKUP:**

1. For disabling DNS lookup use these commands.
2. Type **enable.**
3. Type **config-terminal.**
4. Type **no ip-domain lookup.**
5. Type **exit.**

**SETTING UP BANNER OON ROUTER:**

1. For setting up banner in router.
2. Type **enable.**
3. Type **config-terminal.**
4. Type **banner motd** $\*\*\*\*\*Authorized Access Only\*\*\*\*\*$.
5. Banner setup is done.

**ASSIGING IP TO ROUTER IN CLI:**

1. In previous practical we assigned IP to the router but now we will assign it IP in CLI.
2. Type **enable.**
3. Type **config-terminal.**
4. Type the interface you are working on in our case we are working on **interface Ethernet 0/0.**
5. Type **ip address** ip address here subnet here.
6. Type **no shutdown.**
7. Type **exit** for exiting privilege mode.

**FOR DISPLAYING RAM AND NVRAM FILES:**

1. For displaying configuration done on router type **show running-config.**
2. For displaying configuration done in router copied type **show startup-config.**

**QUESTION ANSWERS**

**Q1 ANS**

For verifying the passwords of console and privilege mode we will use command **show-running config.** All the configuration done on the router will be displayed.