**LAB-6**

**ACCESSING ROUTER REMOTELY**

For accessing routes remotely, we use telnet, setup vty lines and by using CLI we are able to access routers remotely.

**SETTING VTY LINE:**

For setting VTY lines following commands are used step by step.

1. In R1 type **enable.**
2. Type **config-terminal.**
3. Type **line vty 0.**  This command will give us access to vty.
4. Type **password** your password here.
5. Type **login.**
6. Type **logging synchronous.**
7. Type **exec-timeout 40**. It is in seconds.
8. Type **motd banner.**
9. type **exit.**

Now VTY lines are configured. But for accessing router remotely we must enable password to the router. We will enable password in router in config-terminal **enable password** your password here.

**SETTING SSH FOR REMOTE ACCESS**

For remote access in router SSH is strongly recommended. Now we will domain and username and password.

**STEPS:**

1. On R1 type **enable.**
2. Type **conf t** for going into configuration terminal.
3. Now type **ip domain-name** Name Here.
4. Type **username** username here **Password** password here.

**SETTING SSH VERSION 2**

1. Type **ip ssh version 2.**
2. Type **ip ssh time-out 50.**
3. Type **ip ssh authentication-retries 4.**
4. In config terminal type **line vty 0.**
5. Type **transport input ssh.**
6. Type **password** password here.
7. Type **login.**
8. Type **login synchronous.**
9. Type **motd banner.**
10. Type **exit.**