

### **3. Program to simulate Remote Login and configure a Switch in a network**

#### **To Set Telnet password:**

```
CISCO(config)#line vty 0 15
CISCO(config-line)#password cisco
CISCO(config-line)#login
CISCO(config-line)#exit
```

#### **To Enable The Device to Establish Telnet Session:**

```
CISCO(config)#interface vlan 1
CISCO(config-if)#ip address 10.0.0.10 255.0.0.0
CISCO(config-if)#no shutdown
```

Note: VLAN 1 IP address is used to establish the telnet session. Go to command prompt and use telnet command to make a telnet session with the device.  
C:\>telnet 10.0.0.10

### **7. Program to set various Login Passwords to access a Router for different users using single node. (only in 2811 router)**

```
CISCO# conf t
CISCO(config)# line console 0
CISCO(config-line)# login local
CISCO(config-line)# exit
CISCO(config)#username bhat password cisco
CISCO(config)#username bhat2 password cisco
```

**/\* verify the user login to router through console 0**

```
CISCO# conf t
CISCO(config)# line vty 0 1120
CISCO(config-line)# login local
CISCO(config-line)# exit
CISCO(config)#username bhat password cisco
CISCO(config)#username bhat2 password cisco
```

```
CISCO(config)# int fa0/0
CISCO(config-if)# ip address 10.0.0.1 255.0.0.0
CISCO(config-if)# no shut
```

**Connect a node with ip address 10.0.0.2 255.0.0.0**

**Ping 10.0.0.1 should be success**

**/\* verify the user login to router through vty line**

**Telnet 10.0.0.1**

```
user access
username-
pswd
```

```
CISCO# conf t
CISCO(config)# line aux 0
CISCO(config-line)# login local
CISCO(config-line)# exit
CISCO(config)#username bhat password cisco
CISCO(config)#username bhat2 password cisco
```

**8. Program to set various Login Passwords to access a Router for different users using multiple node.(only in 2811 router)**

```
CISCO# conf t
CISCO(config)# line console 0
CISCO(config-line)# login local
CISCO(config-line)# exit
CISCO(config)#username bhat password cisco
CISCO(config)#username bhat2 password cisco
```

**/\* verify the user login to router through console0**

```
CISCO# conf t
CISCO(config)# line vty 0 1120
CISCO(config-line)# login local
CISCO(config-line)# exit
CISCO(config)#username bhat password cisco
CISCO(config)#username bhat2 password cisco
```

```
CISCO(config)# int fa0/0
CISCO(config-in)# ip address 10.0.0.1 255.0.0.0
CISCO(config-in)# no shut
```

**Connect a node with ip address 10.0.0.2 255.0.0.0 to fa0/0**

**At command prompt of the node,  
Ping 10.0.0.1 should be success**

**/\* verify the user login to router through vty line**

**Telnet 10.0.0.1**

**usder access  
username-  
pswd**

```
CISCO(config)# int fa0/1
CISCO(config-in)# ip address 20.0.0.1 255.0.0.0
CISCO(config-in)# no shut
```

**Connect a node with ip address 20.0.0.2 255.0.0.0 to fa0/1**

**Ping 20.0.0.1 should be success**

**/\* verify the user login to router through vty line**

**Telnet 20.0.0.1**

**usder access**

**username-**

**pswd**

**/\* to check how many users loged in**

**CISCO# sh users**