1. Program to configure a CISCO switch and display its configuration

1. **Set Hostname to the Switch**

(config)# hostname Switch1

Switch1(config)#

1. **Set Password for user mode**

Switch1 (config)# enable password level 1 pammi

1. **Set password for privilege mode**

Switch1 (config)# enable password level 15 pramod

OR

Switch1 (config)# enable **secret** pramod

1. **Set IP address**

Switch1 (config)# ***ip address*** 192.168.10.1 255.255.255.0

1. **Default Gateway**

Switch1 (config)# ***ip default-gateway*** 192.16.10.1

**Show current configuration**

# show run | #sh run

**2. Program to configure a CISCO Router and display its configuration**

Router 2621

1. **Set Hostname to the Router**

Router(config)# hostname PRAMOD

PRAMOD (config)#

1. **Set Privilege mode password**

PRAMOD(config)# enable password 1234

PRAMOD(config)# enable secret 1234

PRAMOD(config)# **service** password-encryption

1. **Set User mode password**
2. **Console Password:**

PRAMOD(config)# line console 0

PRAMOD (config-line)# password 1234

PRAMOD(config)# **service** password-encryption

PRAMOD (config-line)# login

1. **Aux Password:**

PRAMOD(config)# line aux 0

PRAMOD (config-line)# password 1234

PRAMOD (config-line)# login

1. **Vty Password:**

PRAMOD(config)# line **vty 0 4**

PRAMOD (config-line)# password 1234

PRAMOD (config-line)# login

1. **Set IP**

PRAMOD (config-line)# password 1234

1. **Show current configuration**

# show run

**3. Program to set various passwords in CISCO 1900 switch and display its**

**Configuration**

**4. Program to set various passwords in CISCO 2950 switch and display its**

**Configuration**

switch>en

switch#config t

Enter configuration commands, one per line. End with CNTL/Z

switch(config)#enable secret 1234

switch(config)#line vty 0 15

switch(config-line)# password vty123

switch(config-line)# login

switch(config-line)# line con 0

switch(config-line)# password con123

switch(config-line)# login

switch(config-line)# exit

switch(config)#exit

switch#sh run

**5. Program to set various passwords to access a CISCO Router and encrypting**

**it manually**

6. Program to simulate VLAN for an organization with 3 departments using

CISCO 1900 Switch

7. Program to simulate VLAN for an organization with 3 departments using

CISCO 2950 Switch

8. Program to simulate VLAN for an organization with 3 departments using

CISCO 2950 Switch and implement inter vlan routing