Exo1 :

configuration R1

R1

conf t

host R1

int g0/0

ip address 192.168.122.71 255.255.255.0

no shut

enable password cisco

!

username devnet privilege 15 password 0 cisco

line vty 0 4

login local

password cisco

transport input all

!

End

import getpass

import telnetlib

HOST = "192.168.122.71"

user = input("Enter your telnet username: ")

password = getpass.getpass()

tn = telnetlib.Telnet(HOST)

tn.read\_until(b"Username: ")

tn.write(user.encode('ascii') + b"\n")

if password:

tn.read\_until(b"Password: ")

tn.write(password.encode('ascii') + b"\n")

tn.write(b"enable\n")

tn.write(b"cisco\n")

tn.write(b"conf t\n")

tn.write(b"int loop 0\n")

tn.write(b"ip address 1.1.1.1 255.255.255.255\n")

tn.write(b"int loop 1\n")

tn.write(b"ip address 2.2.2.2 255.255.255.255\n")

tn.write(b"router eigrp 1\n")

tn.write(b"network 10.10.10.10 0.0.0.255\n")

tn.write(b"no auto-summary\n")

tn.write(b"end\n")

tn.write(b"exit\n")

print(tn.read\_all().decode('ascii'))

switch

Conf t

host S1

enable password cisco

!

username devnet privilege 15 password 0 cisco

interface Vlan1

ip address 192.168.122.72 255.255.255.0

!

! ip default-gateway 192.168.122.71

line con 0

password cisco

line aux 0

line vty 0 4

exec-timeout 720 0

login local

password cisco

transport input all

!

End

Sh spanning tree summary

import getpass

import telnetlib

HOST = "192.168.122.72"

user = input("Enter your telnet username: ")

password = getpass.getpass()

tn = telnetlib.Telnet(HOST)

tn.read\_until(b"Username: ")

tn.write(user.encode('ascii') + b"\n")

if password:

tn.read\_until(b"Password: ")

tn.write(password.encode('ascii') + b"\n")

tn.write(b"conf t\n")

tn.write(b"vlan 10\n")

tn.write(b"name python\_vlan10\n")

tn.write(b"vlan 20\n")

tn.write(b"name python\_vlan20\n")

tn.write(b"vlan 99\n")

tn.write(b"name python\_vlan99\_natif\n")

tn.write(b"interface gi0/1\n")

tn.write(b"switchport mode trunk\n")

tn.write(b"switchport trunk native vlan 99\n")

tn.write(b"end\n")

tn.write(b"exit\n")

print(tn.read\_all().decode('ascii'))

exo2

conf t

host S1

enable password cisco

!

username devnet privilege 15 password 0 cisco

interface Vlan1

ip address 192.168.122.74 255.255.255.0

!

! ip default-gateway 192.168.122.71

line con 0

password cisco

line aux 0

line vty 0 4

exec-timeout 720 0

login local

password cisco

transport input all

!

End

import getpass

import telnetlib

HOST = "192.168.122.74"

user = input("Enter your telnet username: ")

password = getpass.getpass()

tn = telnetlib.Telnet(HOST)

tn.read\_until(b"Username: ")

tn.write(user.encode('ascii') + b"\n")

if password:

tn.read\_until(b"Password: ")

tn.write(password.encode('ascii') + b"\n")

tn.write(b"conf t\n")

tn.write(b"vlan 10\n")

tn.write(b"name python\_vlan10\n")

tn.write(b"vlan 20\n")

tn.write(b"name python\_vlan20\n")

tn.write(b"vlan 99\n")

tn.write(b"name python\_vlan99\n")

tn.write(b"exit\n")

tn.write(b"interface vlan 99\n")

tn.write(b"ip address 192.168.99.221 255.255.255.0\n")

tn.write(b"no sh\n")

tn.write(b"exit\n")

tn.write(b"interface gi0/0\n")

tn.write(b"switchport trunk encapsulation dot1q\n")

tn.write(b"switchport mode trunk\n")

tn.write(b"switchport trunk allowed vlan 1,10,20,99\n")

tn.write(b"no sh\n")

tn.write(b"exit\n")

tn.write(b"interface gi0/1\n")

tn.write(b"switchport mode access\n")

tn.write(b"switchport access vlan 10\n")

tn.write(b"exit\n")

tn.write(b"interface gi0/2\n")

tn.write(b"switchport mode access\n")

tn.write(b"switchport access vlan 20\n")

tn.write(b"exit\n")

tn.write(b"end\n")

tn.write(b"exit\n")

print(tn.read\_all().decode('ascii'))

configuration R1

R1

conf t

host R1

int g0/0

ip address 192.168.122.75 255.255.255.0

no shut

enable password cisco

!

username devnet privilege 15 password 0 cisco

line vty 0 4

login local

password cisco

transport input all

!

End

import getpass

import telnetlib

HOST = "192.168.122.75"

user = input("Enter your telnet username: ")

password = getpass.getpass()

tn = telnetlib.Telnet(HOST)

tn.read\_until(b"Username: ")

tn.write(user.encode('ascii') + b"\n")

if password:

tn.read\_until(b"Password: ")

tn.write(password.encode('ascii') + b"\n")

tn.write(b"enable\n")

tn.write(b"cisco\n")

tn.write(b"conf t\n")

tn.write(b"interface gi0/0.10\n")

tn.write(b"encapsulation dot1q 10\n")

tn.write(b"ip address 192.168.10.1 255.255.255.0\n")

tn.write(b"no sh\n")

tn.write(b"exit\n")

tn.write(b"interface gi0/0.20\n")

tn.write(b"encapsulation dot1q 20\n")

tn.write(b"ip address 192.168.20.1 255.255.255.0\n")

tn.write(b"no sh\n")

tn.write(b"exit\n")

tn.write(b"interface gi0/0.99\n")

tn.write(b"encapsulation dot1q 99\n")

tn.write(b"ip address 192.168.99.254 255.255.255.0\n")

tn.write(b"no sh\n")

tn.write(b"exit\n")

tn.write(b"interface gi0/0\n")

tn.write(b"no sh\n")

tn.write(b"end\n")

tn.write(b"exit\n")

print(tn.read\_all().decode('ascii'))