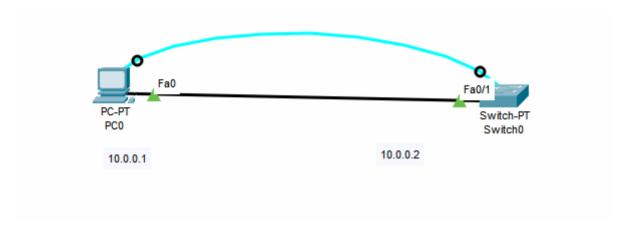
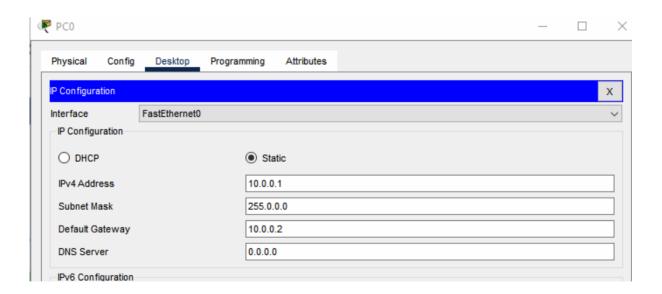
Task 10(b)

10 b) Configure a remote login using SSH and Telnet.

Telnet:



First connect the console cable from PC0 RS232 port to Switch console port.



From PC0

Go to terminal

```
₹ PC0
                                                                                                  ×
            Config
                    Desktop Programming
                                             Attributes
  Physical
  Terminal
                                                                                                      Х
   switch#
                                                                                                        ٨
   switch#
   switch#
   switch#
   switch#
   switch#en
   switch#conf t
  Enter configuration commands, one per line. End with CNTL/Z.
   switch(config) #interface vlan 1
   switch(config-if) #ip address 10.0.0.2 255.0.0.0 switch(config-if) #no shutdown
   switch(config-if) #end
   switch#
   %SYS-5-CONFIG_I: Configured from console by console
   switch#sh run
   Building configuration...
   Current configuration : 696 bytes
   version 12.1
   no service timestamps log datetime msec
no service timestamps debug datetime msec
   no service password-encryption
   hostname switch
   ip ssh version 1
   ip domain-name mydomain
   username myname privilege 1 password 0 mypass
   username mynamel privilege 1 password 0 mypassl
   spanning-tree mode pvst
    --More--
```

Before Telnet configuration:

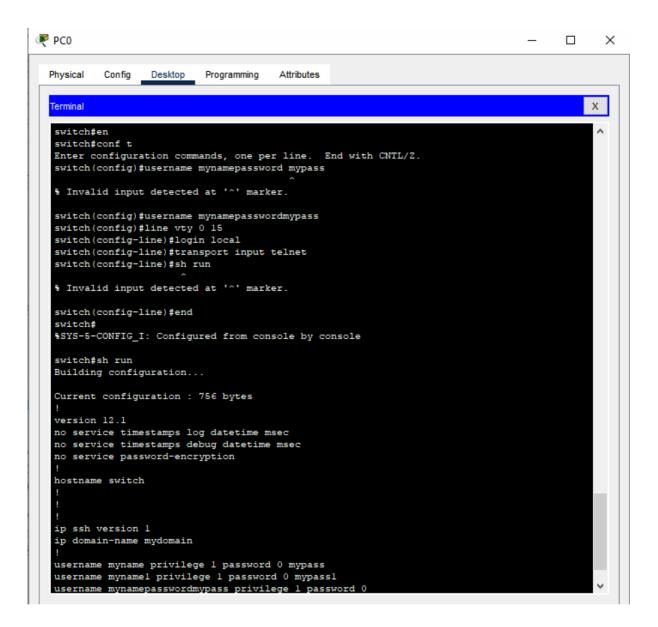
Go to comand prompt check telnet

```
₹ PC0
                                                                                                                     \square \times
   Physical Config Desktop Programming
                                                    Attributes
   Command Prompt
                                                                                                                         Х
   Cisco Packet Tracer PC Command Line 1.0
C:\>telnet 10.0.0.2
Trying 10.0.0.2 ...Open
    [Connection to 10.0.0.2 closed by foreign host] C: \
```

₹ PC0

--More--

Config Physical Desktop Programming Attributes Terminal Х switch# switch# switch# switch# switch#en switch#conf t Enter configuration commands, one per line. End with CNTL/Z. switch(config) #username myname password mypass switch(config) #line vty 0 15 switch(config-line) #login local switch(config-line) #transport input telnet switch(config-line)#end switch# %SYS-5-CONFIG I: Configured from console by console switch#sh run Building configuration... Current configuration : 756 bytes version 12.1 no service timestamps log datetime msec no service timestamps debug datetime msec no service password-encryption hostname switch ip ssh version 1 ip domain-name mydomain username myname privilege 1 password 0 mypass username mynamel privilege 1 password 0 mypassl username mynamepasswordmypass privilege 1 password 0



After Telnet configuration:

Go to comand prompt check telnet

```
Physical Config Desktop Programming Attributes

Command Prompt

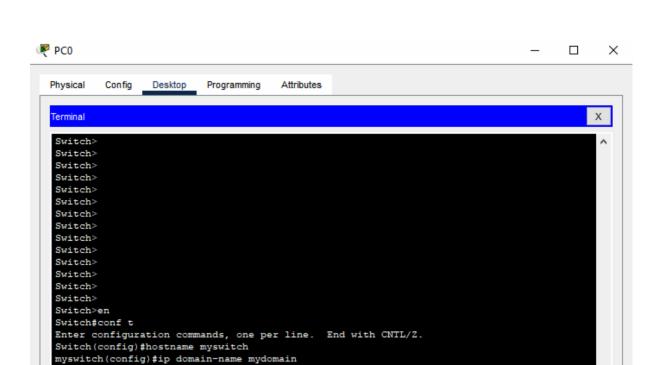
X

C:\>telnet 10.0.0.2
Trying 10.0.0.2 ...Open

User Access Verification

Username: myname
Password:
switch>
```

SSH:



myswitch(config) #username mynamel password mypassl

The name for the keys will be: myswitch.mydomain Choose the size of the key modulus in the range of 360 to 4096 for your General Purpose Keys. Choosing a key modulus greater than 512 may take

*Mar 1 0:4:22.543: RSA key size needs to be at least 768 bits for ssh version 2

% Generating 512 bit RSA keys, keys will be non-exportable...[OK]

*Mar 1 0:4:22.543: %SSH-5-ENABLED: SSH 1.5 has been enabled

%SYS-5-CONFIG_I: Configured from console by console

myswitch(config-line) #transport input ssh myswitch(config-line) #exit myswitch(config) #crypto key generate rsa

How many bits in the modulus [512]:

myswitch(config)#line vty 0 15 myswitch(config-line)#login local

a few minutes.

myswitch#

