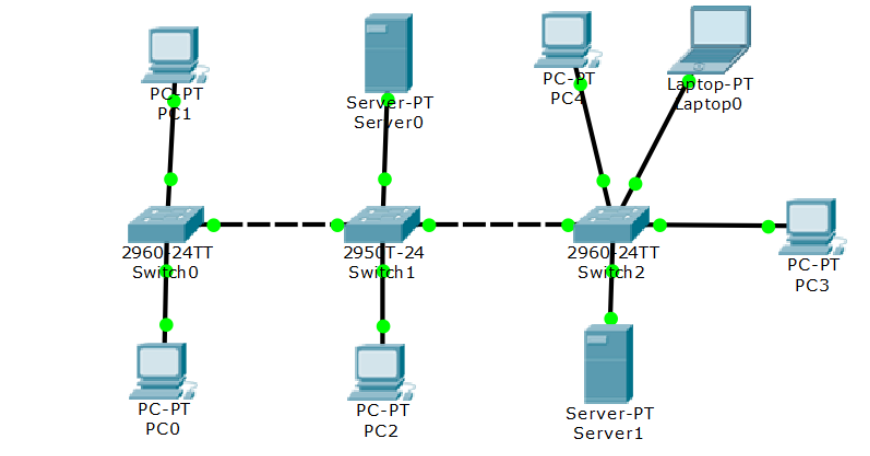


QUESTION 01

PART (1) TOPOLOGY



PART (2) DHCP

CONFIGURATION

IOS Command Line Interface

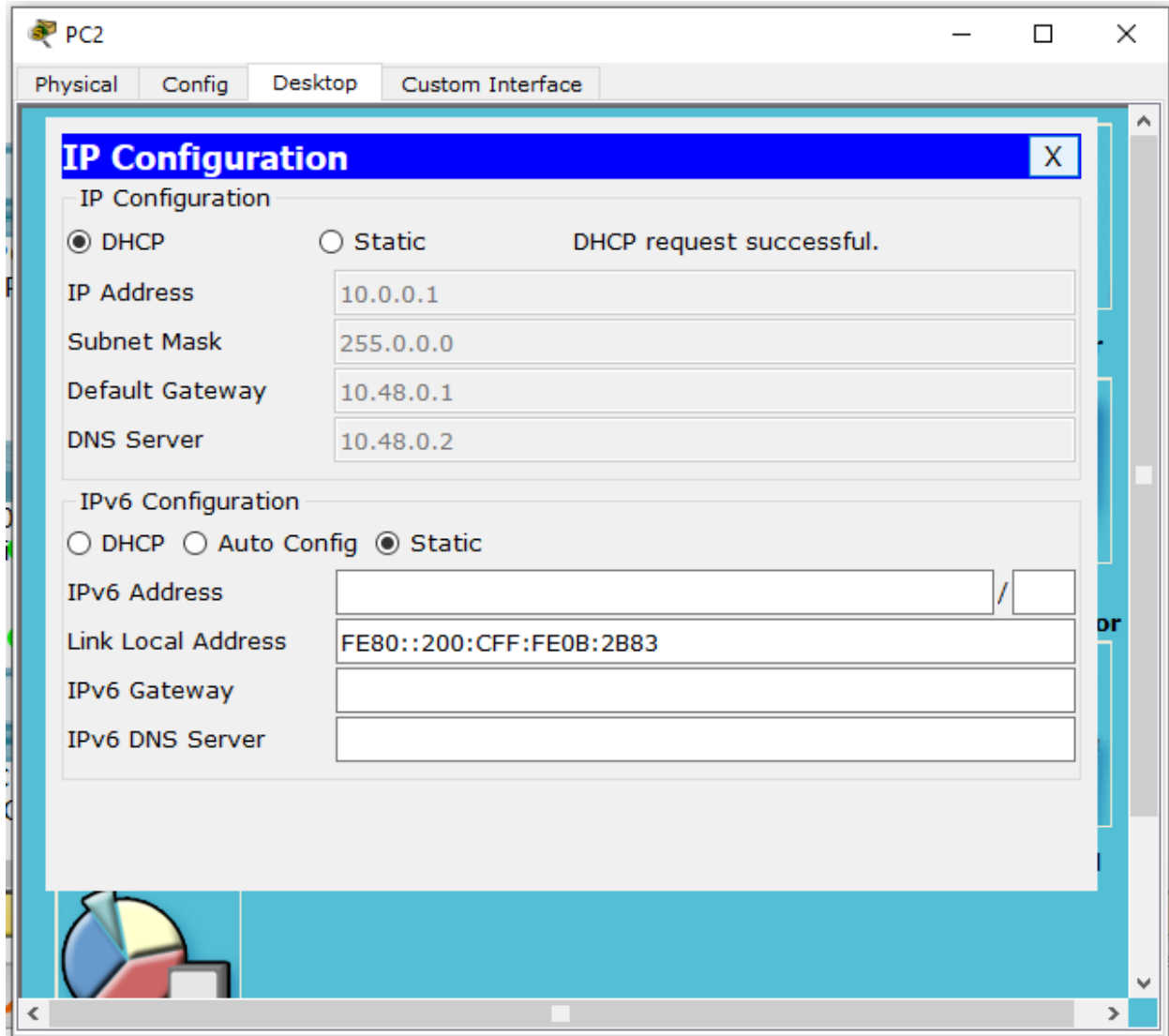
```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/4, changed state to up

Switch>enable
Switch#config t
Switch#config terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#
Switch(config)#inter
Switch(config)#interface vl
Switch(config)#interface vlan 1
Switch(config-if)#ip address 10.48.0.1
% Incomplete command.
Switch(config-if)#ip address 10.48.0.1 255.0.0.0
Switch(config-if)#no sh

Switch(config-if)#
%LINK-5-CHANGED: Interface Vlan1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Vlan1, changed state to up

Switch(config-if)#ip dhcp pool se
Switch(dhcp-config)#network 10.48.0.0
% Incomplete command.
Switch(dhcp-config)#network 10.48.0.0 255.0.0.0
Switch(dhcp-config)#default-router 10.48.0.1
Switch(dhcp-config)#dns-server 10.48.0.2
Switch(dhcp-config)#ip dhcp excluded 10.48.0.2 10.48.0.10
Switch(config)#
```



PART (3) DNS

The screenshot shows the 'DNS' configuration window. On the left, a 'SERVICES' list includes HTTP, DHCP, DHCPv6, TFTP, DNS (selected), SYSLOG, AAA, NTP, EMAIL, and FTP. The main area is titled 'DNS' and contains the following settings:

- DNS Service:** ☒ On ☐ Off
- Resource Records:**
 - Name:**
 - Type:** A Record (dropdown menu)
 - Address:**
- Buttons:** Add, Save, Remove
- Table:**

No.	Name	Type	Detail
0	labeight	A Record	10.0.0.20
1	lbeit	CNAME	labeight

The screenshot shows a 'Web Browser' window in 'PC2'. The address bar contains 'http://lbeit' and the page displays the following content:

WELCOME TO LAB 08

Welcome to Cisco Packet Tracer. Opening doors to new opportunities. Mind Wide Open.

Quick Links:

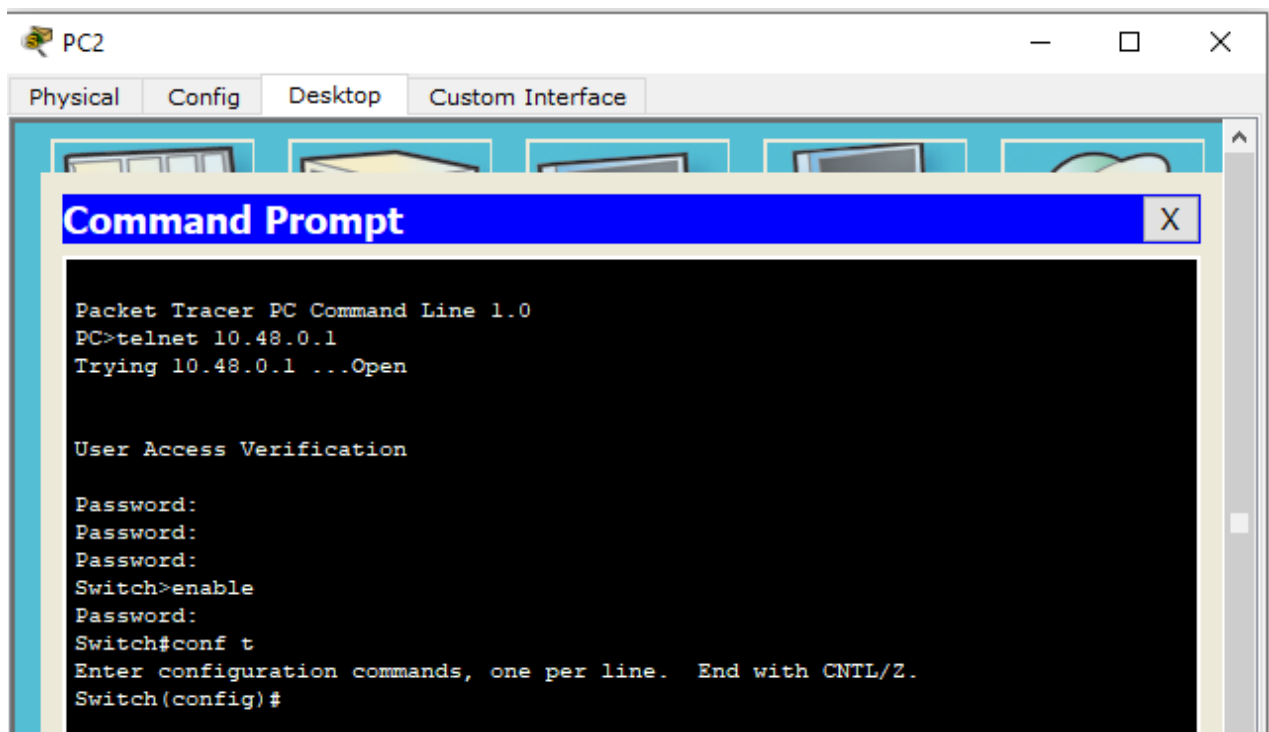
- [A small page](#)
- [Copyrights](#)
- [Image page](#)
- [Image](#)

PART (4) TELNET

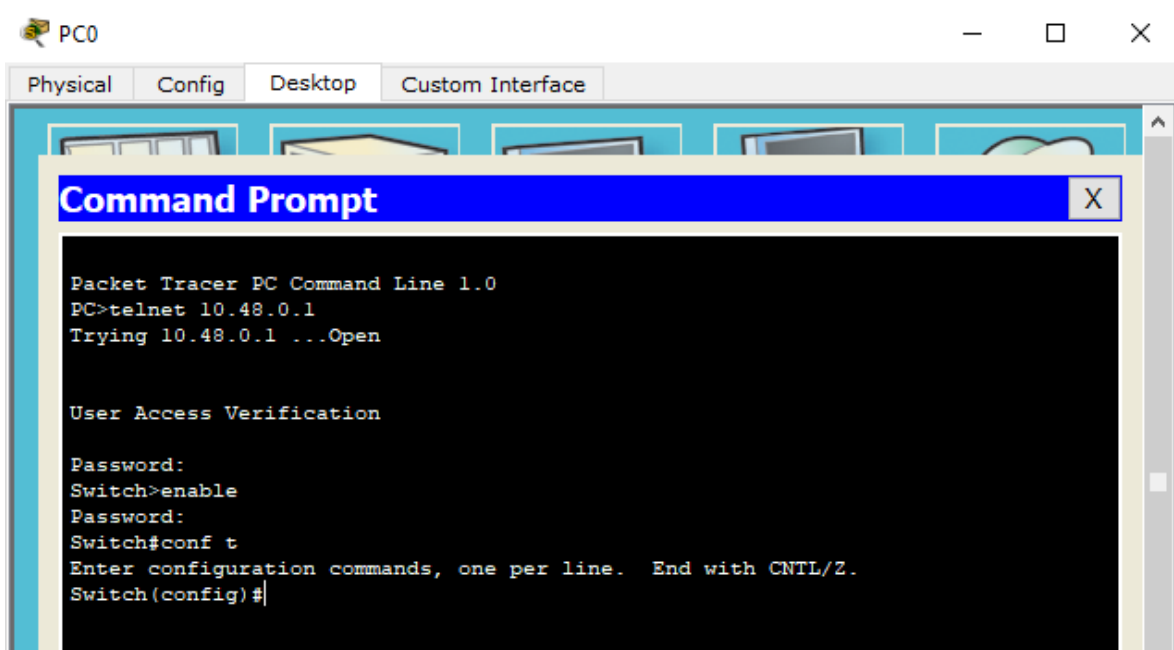
PASSWORD SETUP

```
Switch(config)#line v
Switch(config)#line vty 0 15
Switch(config-line)#password 123
Switch(config-line)#enable password abc
Switch(config)#end
Switch#
%SYS-5-CONFIG_I: Configured from console by console
Switch#
```

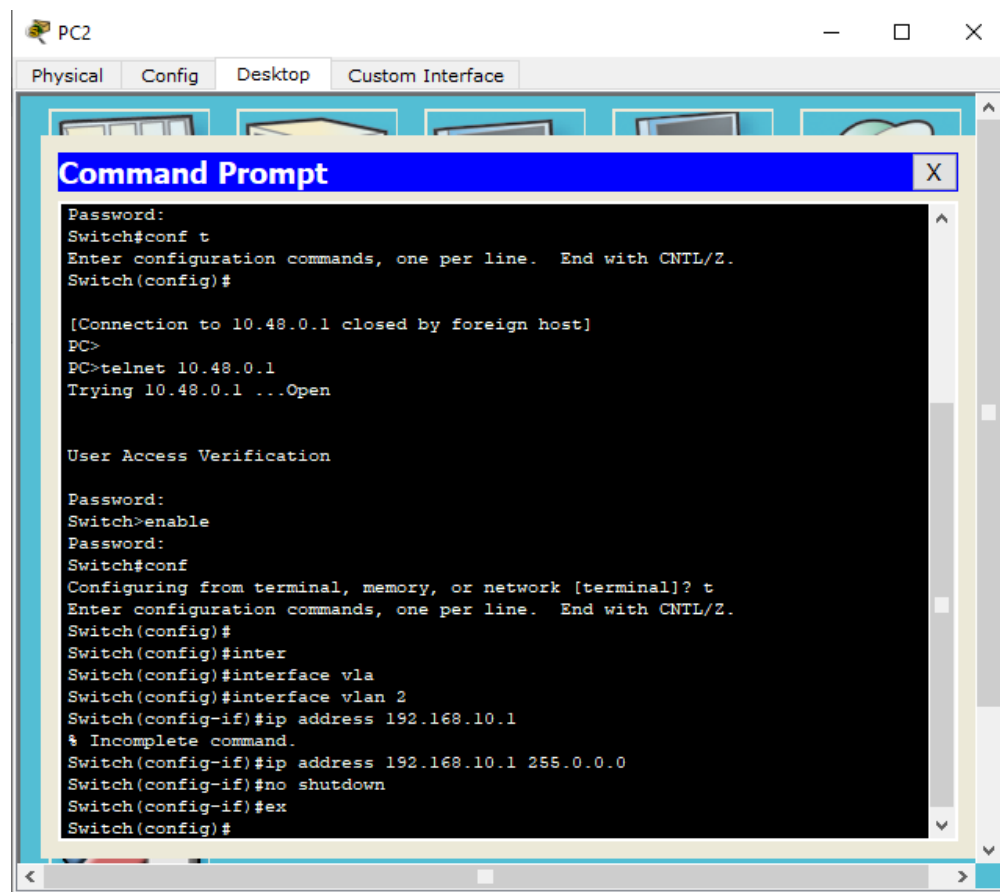
TELNET CONNECTION PC2



TELNET CONNECTION PC0

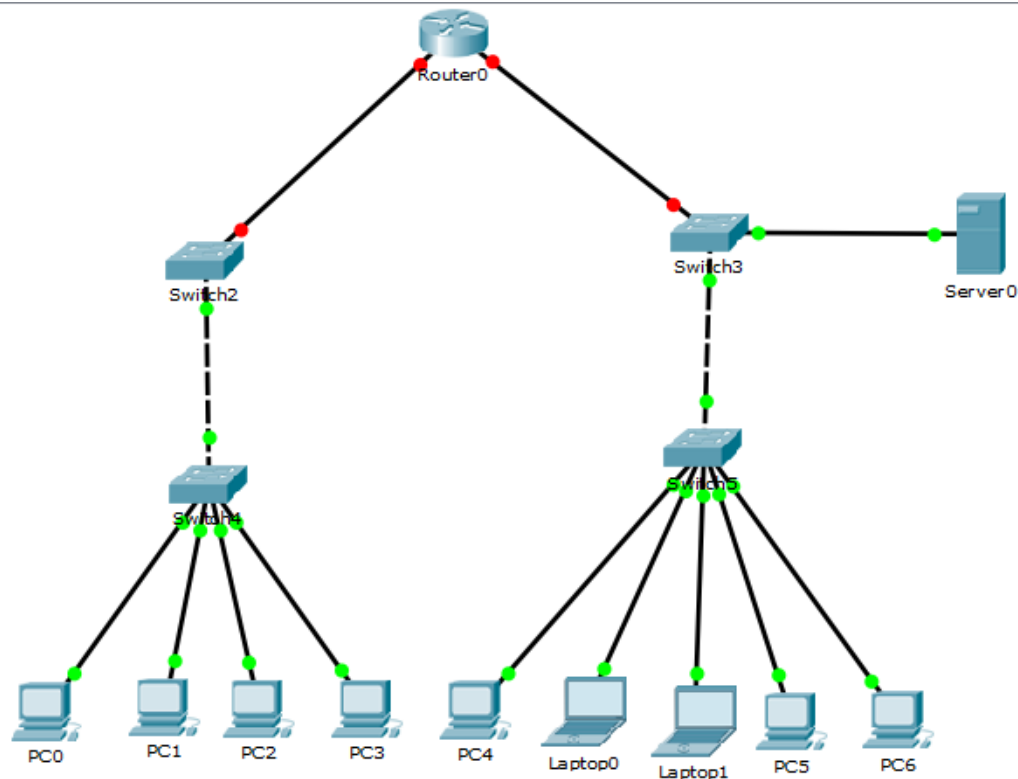


PART (5) SWITCH 2 IP CHANGE



QUESTION NO 02

PART 1 - TOPOLOGY



PART 2 CONFIGURATION

FA 0/0

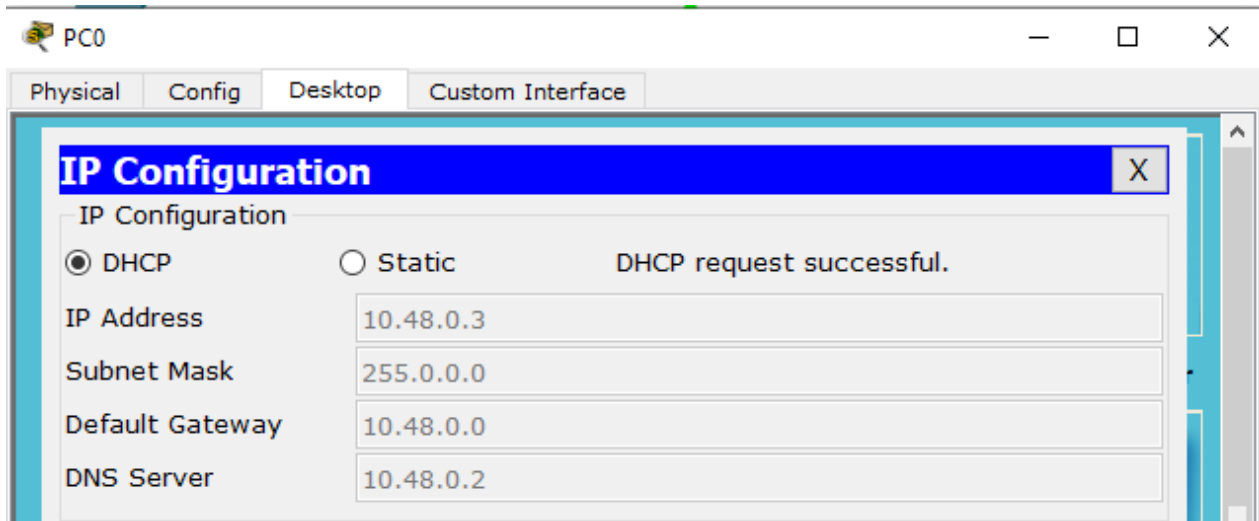
```
Router>enable
Router#config t
Enter configuration commands, one per line.  End with CNTL/Z.
Router(config)#inter
Router(config)#interface fa 0/0
Router(config-if)#ip address 10.48.0.1 255.0.0.0
Router(config-if)#no s
Router(config-if)#no shu
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to
up

Router(config-if)#ip dhcp pool cs
Router(dhcp-config)#network 10.48.0.0 255.0.0.0
Router(dhcp-config)#default-router 10.48.0.0
Router(dhcp-config)#dns-server 10.48.0.2
```

IP ASSIGN DHCP



PART 3

Run command of show run on Switch0 and Switch0 and take screenshot of it.

- Sir yeh sawal samajh nahi aaya.

PART 4 - VERIFY SSH

CONFIGURATION

```
Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#line vty 0 15
Router(config-line)#password 123
Router(config-line)#enable password abc
Router(config)#hostname AmmanSoomro
AmmanSoomro(config)#ip domain name cs-study
AmmanSoomro(config)#crypto
AmmanSoomro(config)#crypto k
AmmanSoomro(config)#crypto key r
AmmanSoomro(config)#crypto key rs
AmmanSoomro(config)#crypto key rsa
AmmanSoomro(config)#crypto key g
AmmanSoomro(config)#crypto key generate rsa
The name for the keys will be: AmmanSoomro.cs-study
Choose the size of the key modulus in the range of 360 to 2048 for your
General Purpose Keys. Choosing a key modulus greater than 512 may take
a few minutes.

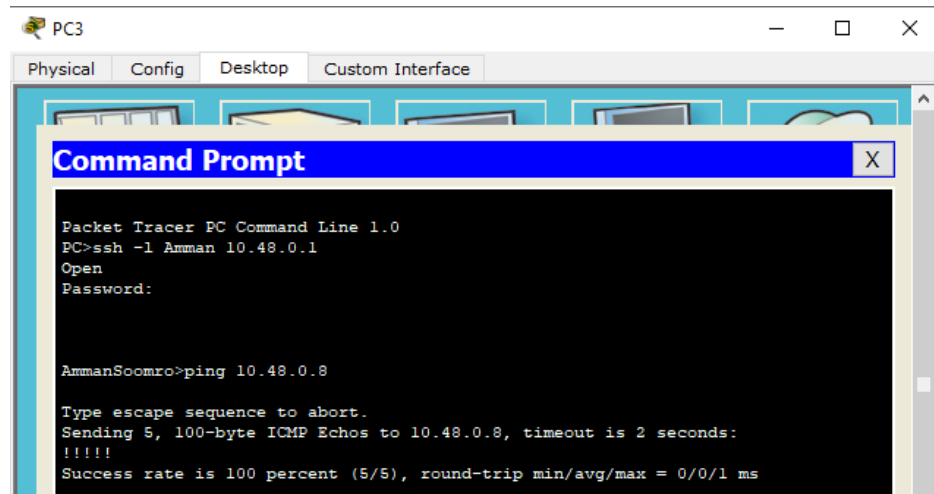
How many bits in the modulus [512]: 1020
% Generating 1020 bit RSA keys, keys will be non-exportable...[OK]

AmmanSoomro(config)#ip ssh version 2
*Mar 1 0:13:11.860: %SSH-5-ENABLED: SSH 1.99 has been enabled
AmmanSoomro(config)#tra
AmmanSoomro(config)#transport input ssh
^
% Invalid input detected at '^' marker.
```

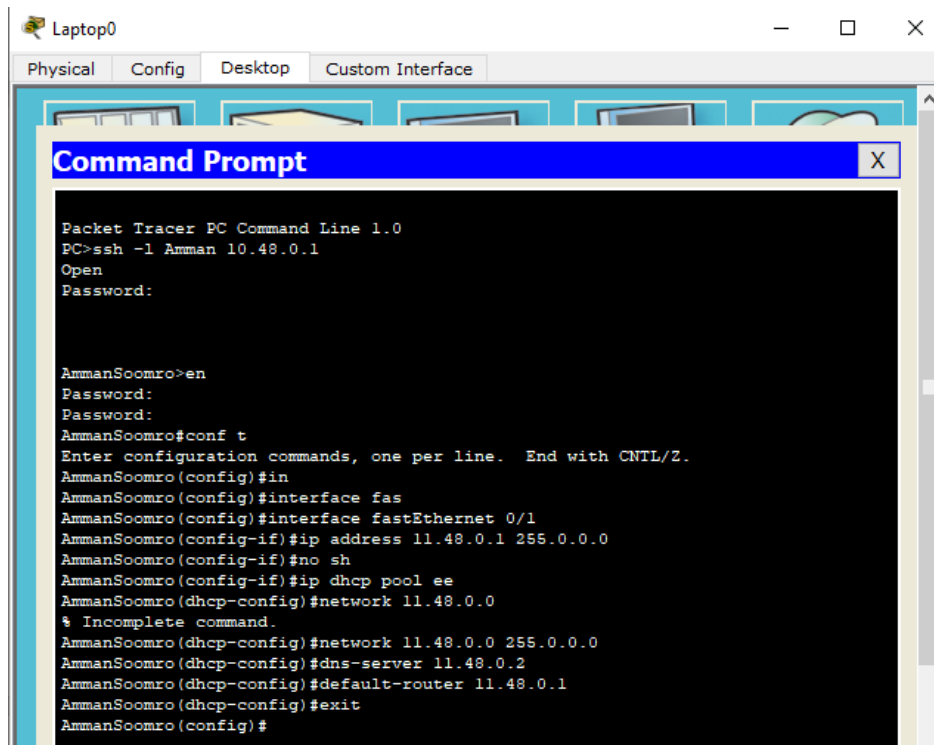
```
AmmanSoomro(config)#line vt
AmmanSoomro(config)#line vty 0 15
AmmanSoomro(config-line)#transport input ssh
AmmanSoomro(config-line)#login local
AmmanSoomro(config-line)#

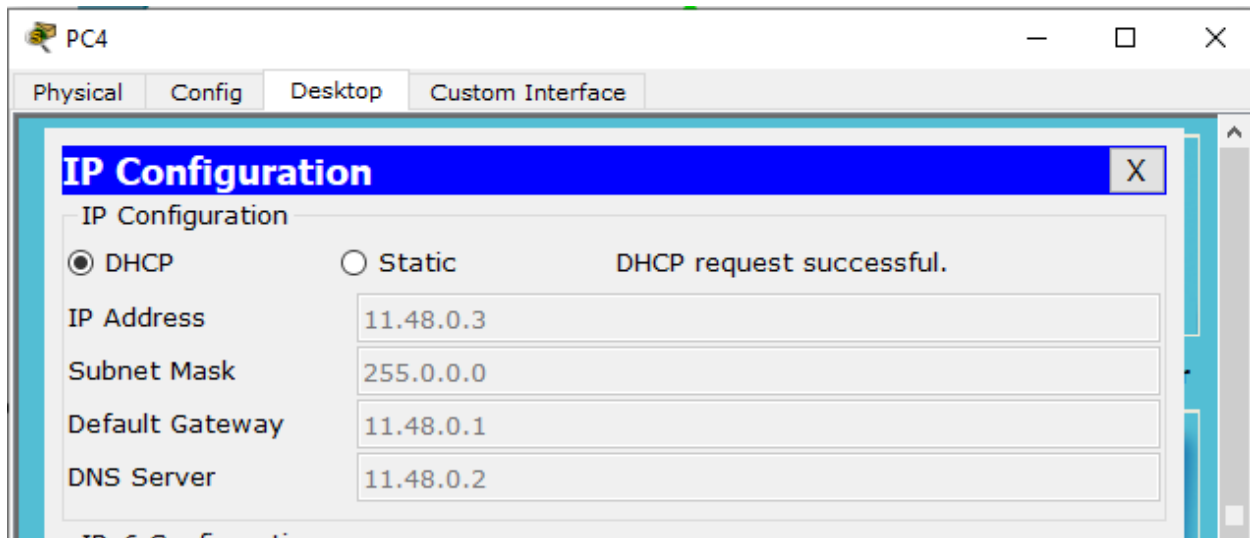
AmmanSoomro(config-line)#login local
AmmanSoomro(config-line)#username Amman password Soomro
AmmanSoomro(config)#
```

SSH VERIFY



ASSIGNING IP TO ANOTHER INTERFACE USING SSH





IP ROUTE

