

Task 3:

Date:- 04/08/2025

Aim:- Configuration of basic switch setup using Huawei /Cisco Network switch using cisco packet tracer

Procedure:-

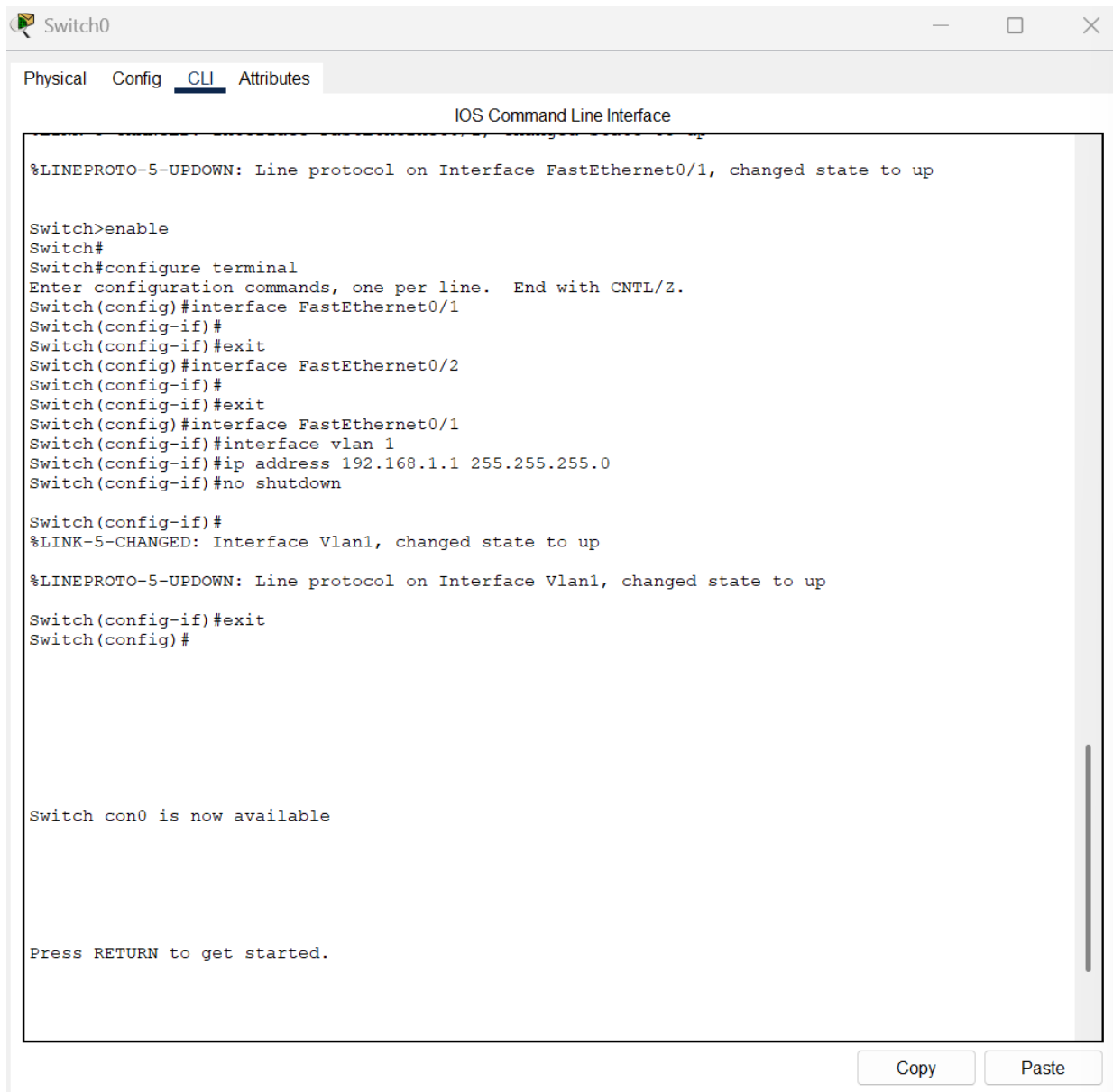
Step 1) Open the Cisco Packet Tracer

Step 2) On to the work space add a switch (2960) and a PC. We can add two more PC's if needed. Drag and drop them

Step 3) Now connect the devices. We can do this by selecting the Copper Straight Through cable from the connections option and connect the switch to the PC.

Step 4) Now we have to configure the Switch. In order to do so:

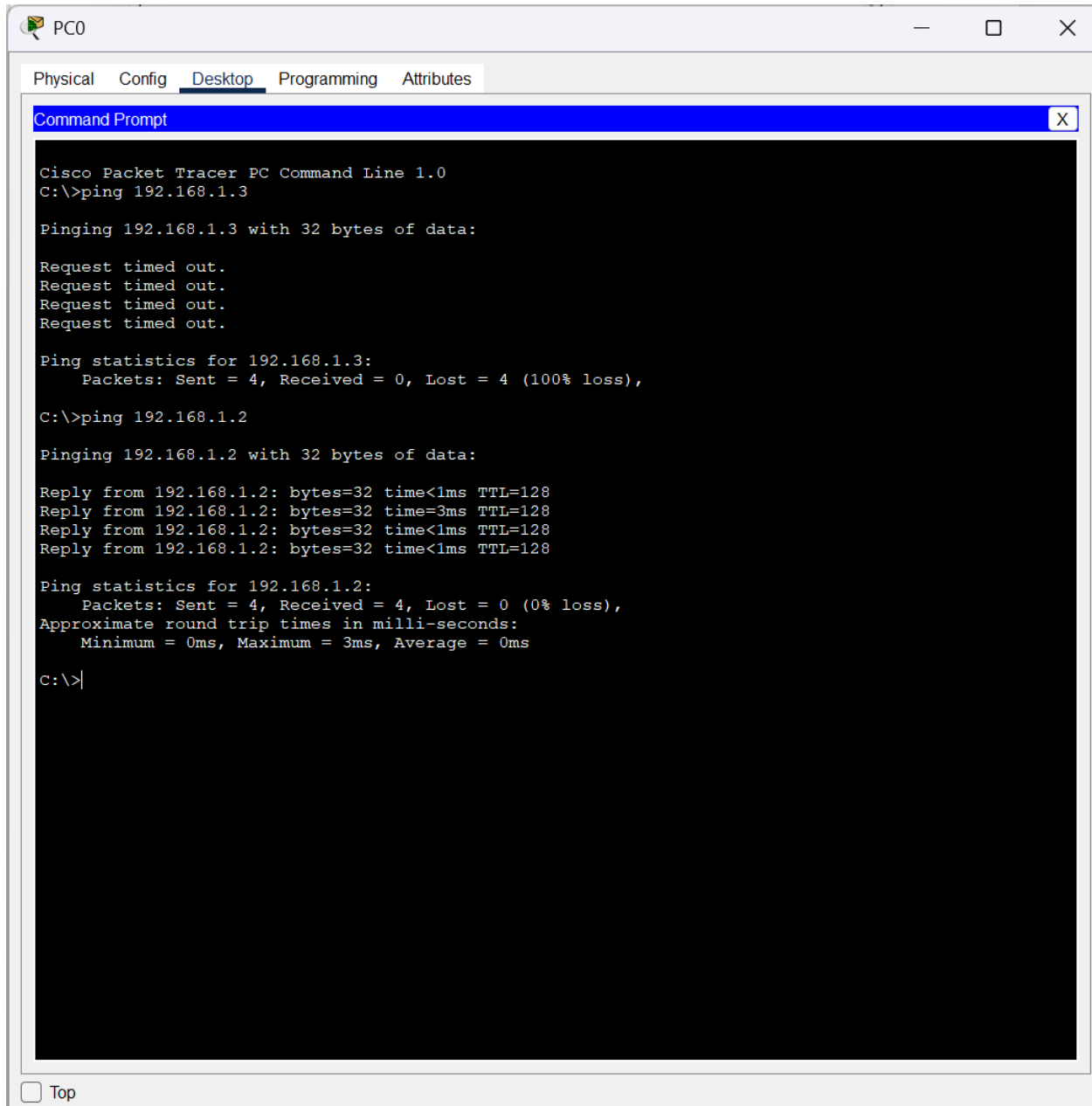
1. Click on the switch and then go the CLI window.
2. Now check whether the following commands are present or not, if not type the commands:
Switch>enable
Switch# configure terminal
Switch(config)#
Switch(config) # interface FastEthernet0/1
Switch(config-if)# interface vlan 1
Switch(config-if)#ip address192.168.1.1 255.255.255.0
Switch(config-if)# no shutdown
Switch(config-if)#exit
3. After typing the commands you CLI window should look like the following :



Step 5) Now we have to configure the PC's.

1. Click on the PC and then go to the Desktop tab.
2. Next Open the IP configuration and assign the following IP address with
The following IP address
PC0- 192.168.1.2, Subnet Mask- 255.255.255.0
PC1- 192.168.1.3, Subnet Mask- 255.255.255.0

Step 6) Now let us test the Connectivity. We can test the connectivity by using the Ping command. Open the command prompt in the PC's and type the Following command ping 192.168.1.2. You should get the following output In the command prompt.



The screenshot shows a Cisco Packet Tracer PC Command Line window for PC0. The window has tabs for Physical, Config, Desktop, Programming, and Attributes. The Desktop tab is active, showing a Command Prompt window. The Command Prompt displays the following text:

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.1.3

Pinging 192.168.1.3 with 32 bytes of data:

Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 192.168.1.3:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:

Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time=3ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128
Reply from 192.168.1.2: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 3ms, Average = 0ms

C:\>|
```

At the bottom left of the window, there is a checkbox labeled "Top" which is currently unchecked.