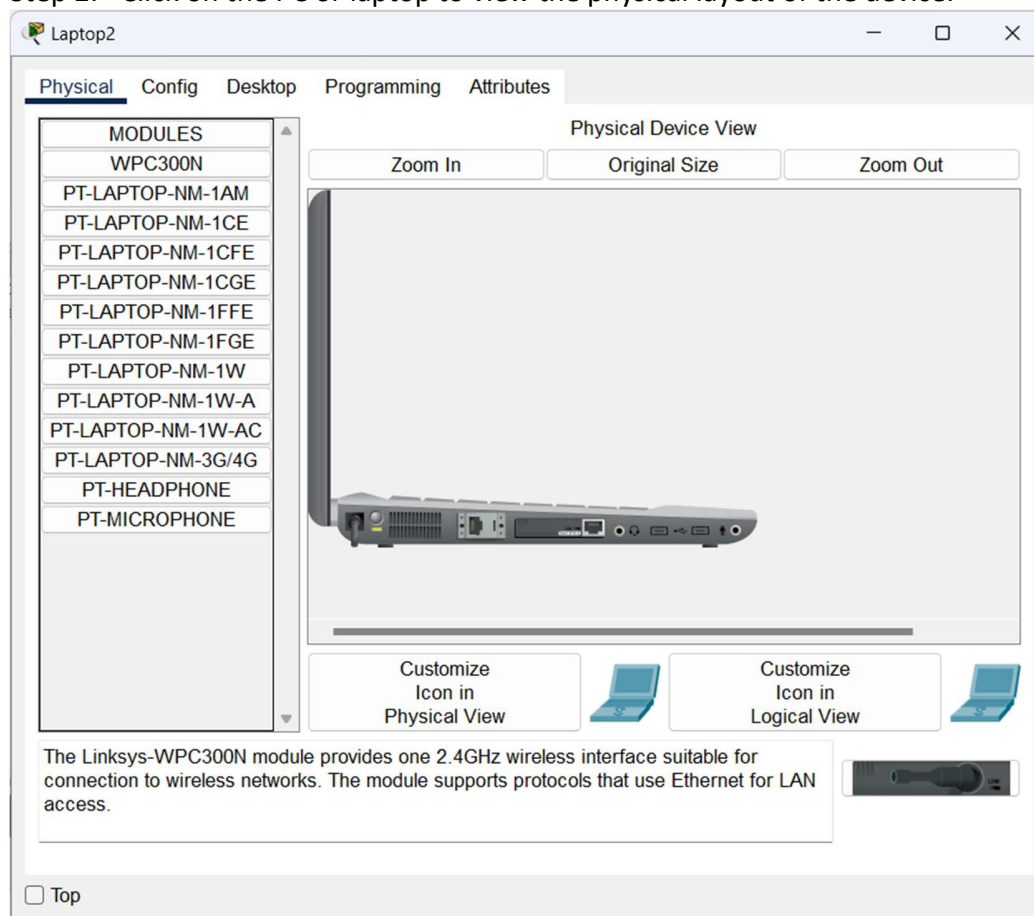
 Marwadi University Marwadi Chandarana Group	Marwadi University Faculty of Engineering and Technology Department of Information and Communication Technology	
Subject: Computer Networks (01CT0503)	Aim: Perform basic CLI commands to configure switch and router.	
Experiment No: 02	Date: 07-08-2023	Enrolment No: 92210133006


Aim: Perform basic CLI commands to configure switch and router.

Step 1: Open Cisco Packet Tracer and create a small connection with 1 router and 1 PC through console cable.

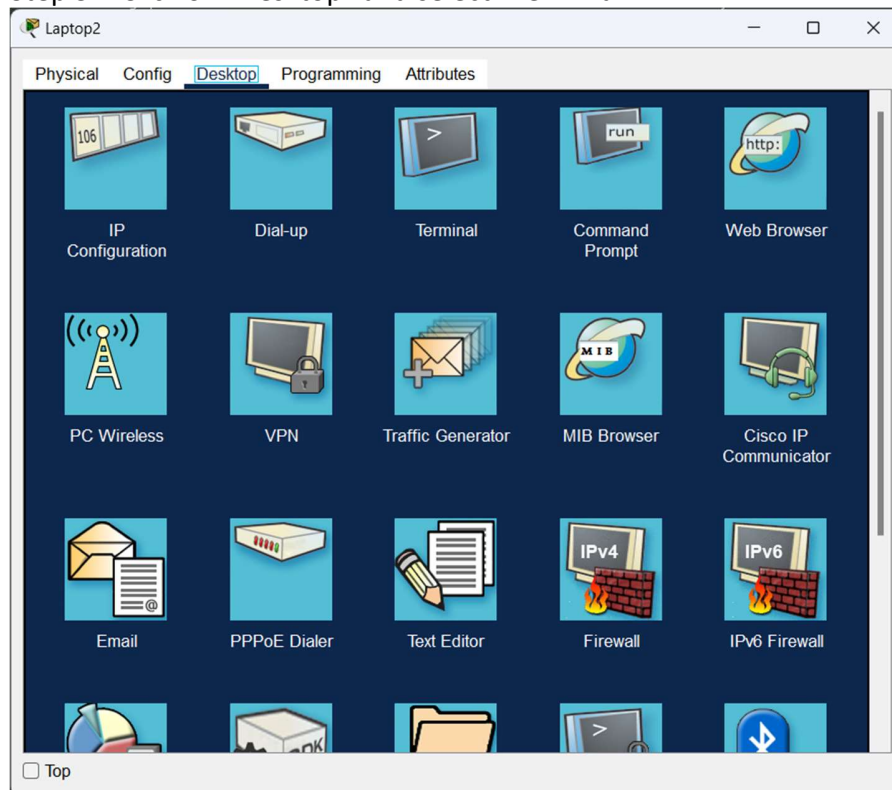


Step 2: Click on the PC or laptop to view the physical layout of the device.

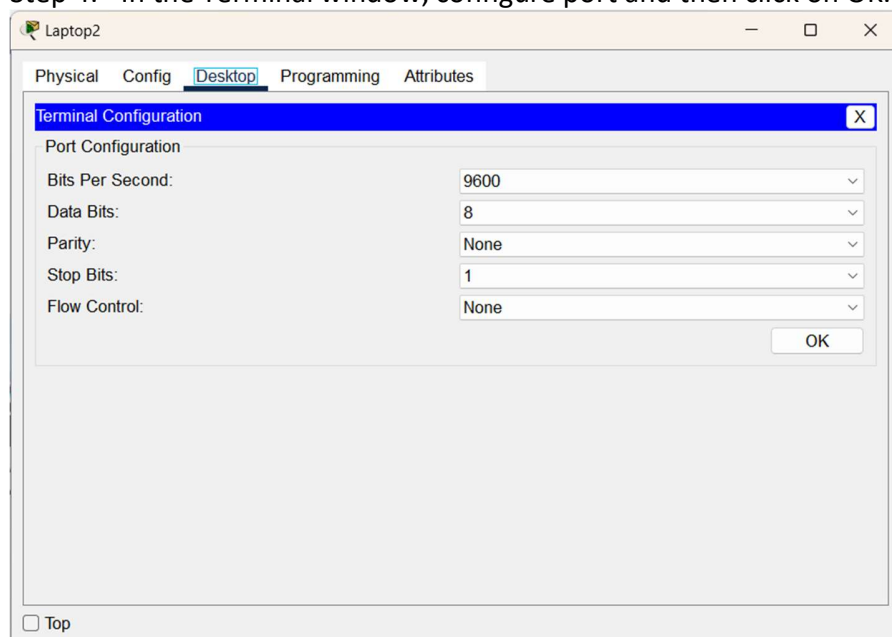



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Step 3: Click on "Desktop" and select "Terminal".

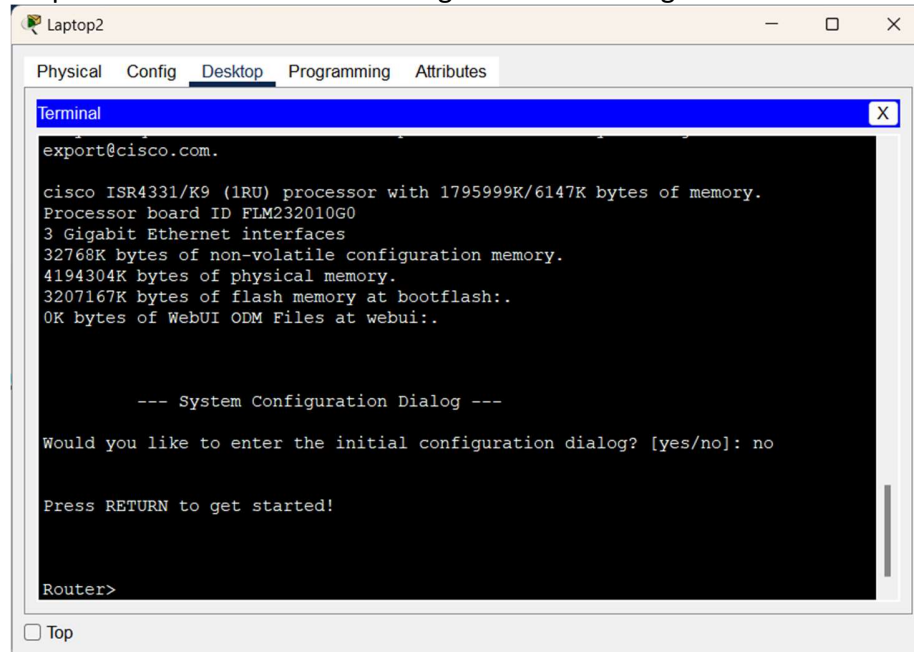


Step 4: In the Terminal window, configure port and then click on OK.



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Step 5: Now we are able to configure router through console cable.



```

Laptop2
Physical Config Desktop Programming Attributes
Terminal
export@cisco.com.

cisco ISR4331/K9 (1RU) processor with 1795999K/6147K bytes of memory.
Processor board ID FLM232010G0
3 Gigabit Ethernet interfaces
32768K bytes of non-volatile configuration memory.
4194304K bytes of physical memory.
3207167K bytes of flash memory at bootflash:.
0K bytes of WebUI ODM Files at webui:.

--- System Configuration Dialog ---

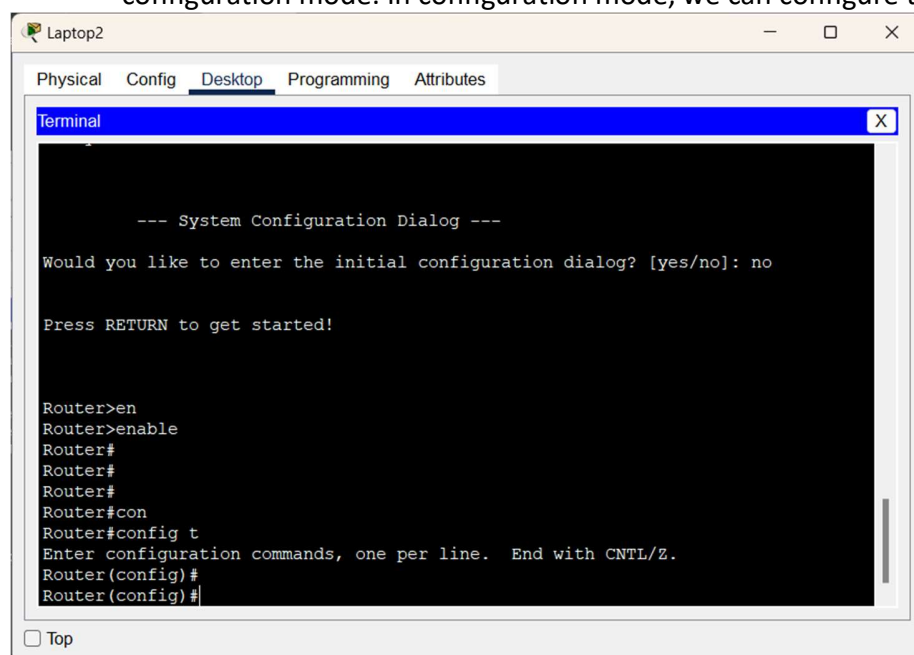
Would you like to enter the initial configuration dialog? [yes/no]: no

Press RETURN to get started!

Router>

```

Step 6: Enter the "enable" command to switch from user mode to privilege mode, then use the "configure terminal" or "config t" command to switch from privilege mode to configuration mode. In configuration mode, we can configure the router.



```

Laptop2
Physical Config Desktop Programming Attributes
Terminal


--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]: no

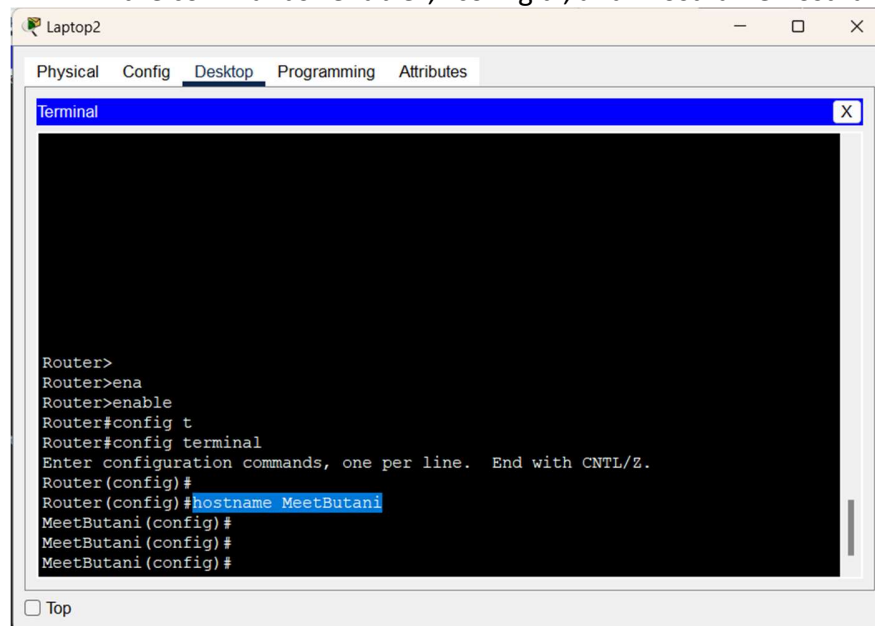
Press RETURN to get started!

Router>en
Router>enable
Router#
Router#
Router#
Router#con
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#

```

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Step 7: Now, you can configure the router through the internet. To change the hostname, use the commands "enable", "config t", and "hostname hostname_of_your_choice".

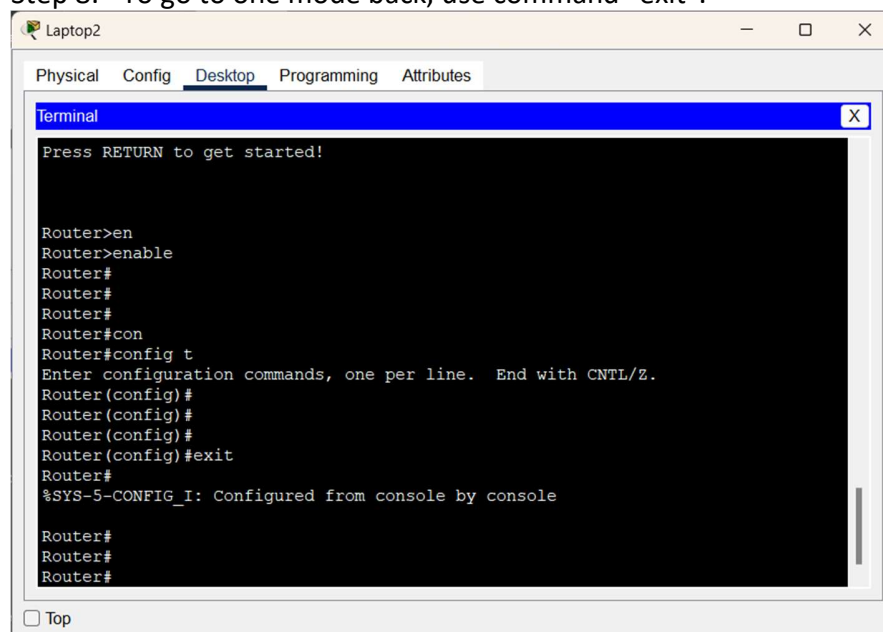


```

Router>
Router>ena
Router>enable
Router#config t
Router#config terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#hostname MeetButani
MeetButani(config)#
MeetButani(config)#
MeetButani(config)#

```

Step 8: To go to one mode back, use command "exit".



```

Router>
Router>en
Router>enable
Router#
Router#
Router#
Router#con
Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#
Router(config)#
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console
Router#
Router#
Router#

```

Conclusion:

Through this experiment, I learned how to configure router through console cable and CLI, use of different commands to configure router.p