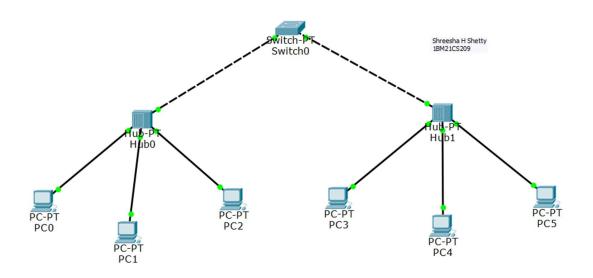
## **Lab-1(21-06-2023)**

-1BM21CS209

1. Create a topology and simulate sending a simple PDU from source to destination using hub and switch as connecting devices and demonstrate ping message.

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	DOM5 Page No
21-06-2	Date / /
1.	Create a topology and shmulate sending a simple PDU
	from source to destination using hub and switch as
	connecting devices and demonstrate ping nessages.
->	de la contrate pira la contrate pira
	Hub: Hub
	TO BE OF MEASURE
2000	while many and the mean read always all to
3 3 W	PCO PC1 PC2 10.0.03
2).	The packels transmission starts from source device
	and seasons the but
	and reaches the hub.
*	Hub sends the packets to all other devices connected
	to it. will recommend the classic everything the it of
*	The destinated device receives the packets and sends
	back an acknowledgement stating it has received
3:	the packets.
*	Other durices ignore the packets
*	The packets transmission takes place in the above
	pacies states makes place in the above
	surario everytime. (5000)
	\$ 10.00 miles
	(from 10.0.01)
	PC > ping 10.0.0.2
	· J
	Control of the contro
	and the first of the first the first of the
	Switch: Switch
	or a sign of the state of the district failures and the
	Pra Pra Pra
	16.
	10.0.0.4 10.0.0.5 10.0.0.6
7	t The packet transmission starts from source device and
	reaches the switch.
-	Switch sunds the packets to all devices connected to it
*	The 120 last despite received the park to
7	Serias
	an acknowledgment back to switch stating it has
	received the packet is a strong and a second and
#	Switch remembers the clevice sending the
	asky orded as well and order some of a feet see the
	acknowledgement and only communicates with that
	device for further transmission.
	Other devices do not receive the packets from next
	transmission some some some some some
	to the state of the fact of the state of the
	The gradest of successive days refered in the ed-
	(from 10.0.0.5)
	PC > ping 10.0.0.3
	(10 201 00)
	3-2-0.01 5-44, 21



```
Command Prompt
PC>ping 10.0.0.2
Pinging 10.0.0.2 with 32 bytes of data:
Reply from 10.0.0.2: bytes=32 time=0ms TTL=128
Ping statistics for 10.0.0.2:
 Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
PC>ping 10.0.0.4
 Pinging 10.0.0.4 with 32 bytes of data:
Reply from 10.0.0.4: bytes=32 time=0ms TTL=128
 Ping statistics for 10.0.0.4:
      Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
 Approximate round trip times in milli-seconds:
Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

## Outcomes:

## HUB

- 1. Using HUB the connection is established immediately.
- 2. The HUB broadcasts the data packets to all the output interfaces except the incoming input interface.

1. The swit	ch takes appr	oximately 30	) seconds 1	o establish	the connec	tion	
							. 4
	t broadcasts in able and then						e to create a
witching t	aoic and men	sends the di	на раскет	to only the	acsimation	device.	