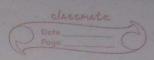
WEEK 1

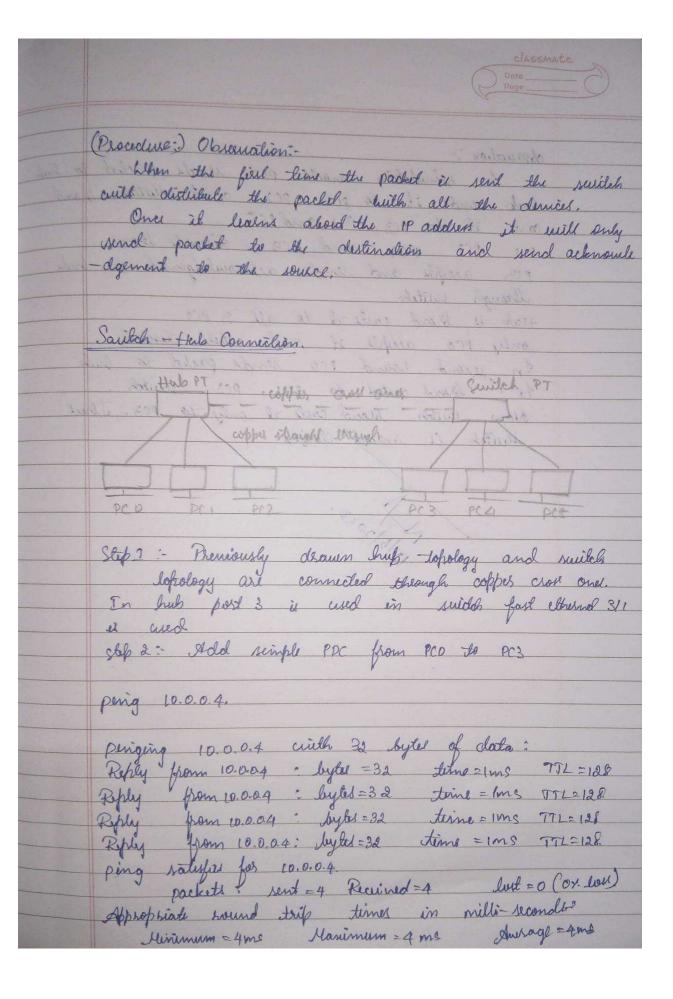
Create a topology and simulate sending a simple PDU from source to destination using hub and switch as connecting devices and demonstrate ping message. Create a topology and simulate sending a simple PDU from source to destination using hub and switch as connecting devices and demonstrate ping message.

15/06/20	Date Page
Q1	Create a topology and simulate sending a simple PDU from source to destination using a simple his and south at connecting domains.
	Ain: - create a topology and simulate rendering a simple PDO from source to destination using hub a secret as commercing denices and demonthale ping message.
Doct to b	Hub: HUB-PT Hubo.
Jim 1000 logy. procedust	PCO PC2 PC2.
	Aire Step 1:- Steet end devices and choose quesio and choose PCO, PCI, PC2 (PC-PT)
	Step 2:- Go to hubs and select generic hub
	Step 3: Go-lo connection and select coffres straight through wine, then connect all pi's to the hub. (Select post number and pc).
	Step 4: Click on PC, go to config and scleck for fout ethernel then set IP address for the PC. Do the same for all the PC'S
	S.tep 5: Add simple PDU.



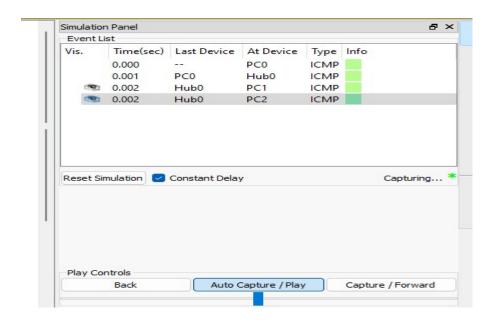
Step 6: click source and dectination symler system. Step 7: Then go to simulation made, Auto capture! play. Then the packets will stook to transfer. Step 8:- Cliek on PC. go to desletop and select command prompt. Then lupe command. peng 10.0.0.3 PC > ping 10.0.0.3. Reply from 10.0.0.3: bytes=32 line=4ms TTL=128. Poply from 10.0.0.8! byles 32 toins = 3ms TTL=128. Reply from 10.0.0.3 byter=32 Jime ams TTL=128 Reply from 10.0.0.3: bytel=32 time oms TIL=120. Parig statistics for 10.0.03 packets: rest 4, Received B, lost = O. (of lok), Apploumat hound teip time in willi records: Menimum - Oms. Marinum = 4ms, Anelage = 2mg Proceduse Objecuation: When the source device sent a pasket to the Sub it will broadcast or send the packet to all the clerical cubich are connected to the Sub. And the destination device will rivince the packet and other's will light the packet. And destination device will send the acknowledgement and that will be dittributed among all derices and the source will accept and other, will discord Principal to the Manieron to the format to

Certifich PI Suitch widero PCTRT PL-RT PC3 Procedure: Steps: Select switch and 3. PC'S step 2: Set IP adoles fier all the pais 10.0.0% Step 3: - Sonnect PC's to the suitch by select Step 4: Adol umple PDU select source and deternation Go to simplation made and slep6: - Click on PC -> Devotop -> command prompt Ding message PCY ping 10.0.0.6. Pinging 10.0.0.6 with 32 byles of data: from 10.0.0.6; bytel =32. line = 4ms 791=129 from 10.0.06: byles=32 time=4ms TTL=128 from 60.006: bytes=32 time - Ams TTL=128 peng statulies for 10.00.6: packets: sent = 4, Received = 4 lost = 0 (0+ lost) in will-second! Minimum = 4ms, Maximum = 4ms, Andage = 4ms

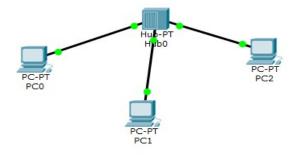


oburnation: In reinclation made pco sends packed to high July und it to go! go and witch broad could it to PC3. PC4 and PCS. PCI PCZ PCLE and PCB discorde them pc3 accepts and rende acknowledgement to brute Mongh switch Hab is broad carle if to all 3 PCs only PCO acuple it and others derived. In second round PCO sends packed the bule It. broad costed to PCI, PC) sewitch. Now switch blood cools it only to PC3. Thus switch is small danie.

OUTPUT SCREENS

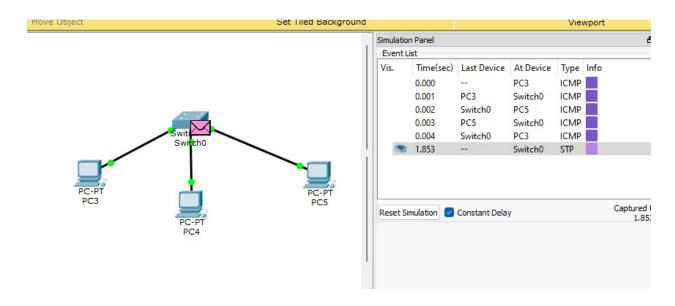


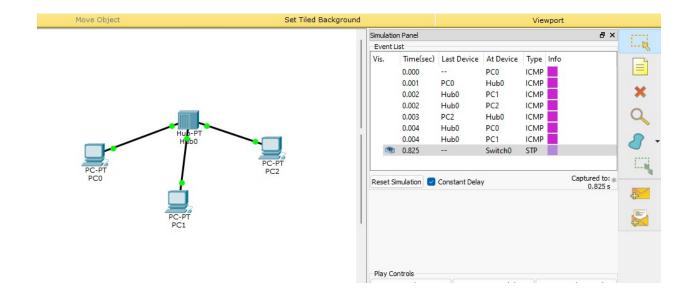
HUB

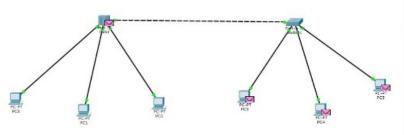




SWITCH









Command Prompt

```
Packet Tracer PC Command Line 1.0
PC>ping 192.160.1.5

Pinging 192.160.1.5 with 32 bytes of data:

Reply from 192.160.1.5: bytes=32 time=lms TTL=128
Reply from 192.160.1.5: bytes=32 time=0ms TTL=128
Reply from 192.160.1.5: bytes=32 time=0ms TTL=128
Reply from 192.160.1.5: bytes=32 time=0ms TTL=128

Ping statistics for 192.160.1.5:

Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = 0ms, Maximum = 1ms, Average = 0ms

PC>
```