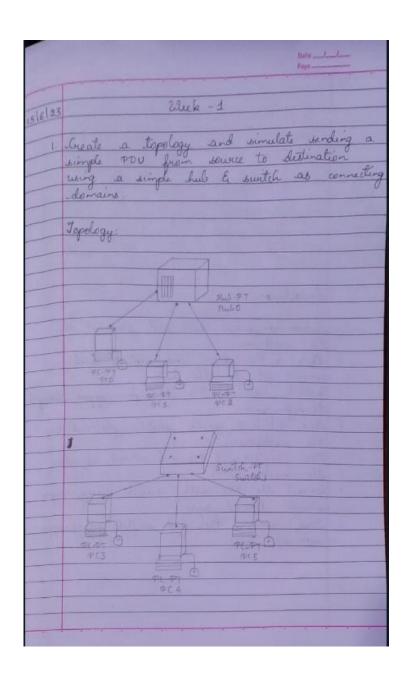
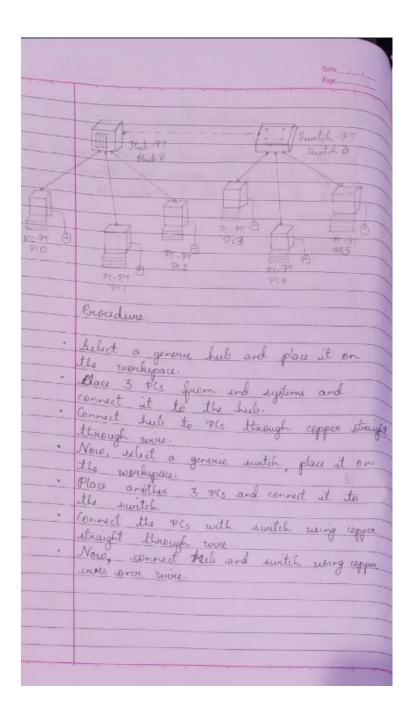
## WEEK 1

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

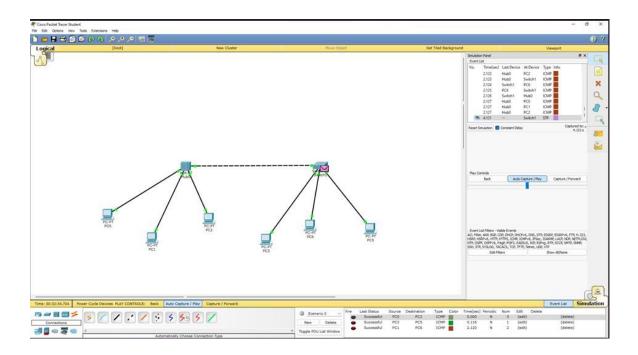
## Observation book:





fets/
Figs
output:
7/2 / 100 / 100
PC> ping 198.160.1.2
Perging 199 160.12 with 32 lytes of data:
Reply brown 199 160 19. 1 4 70 4
Reply from 192.160.1.2: byte=32 time=3m6 TTL-Dg
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 100 100 1 2 . 10945 - 52 Time Ame TTI 100
100 Julian 192 160 1.9 1 Tw - 28 + 1
7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Vackets Sort - A Recovered - A VI a fall 1
Affra round trip tens in milliscands:
H: Leres en milliterande:
Hinimum = Ams, Hazimum = 8 ms, Average = 5 ms.
9C> ping 190.160.1.4 .
Or O I
Ringing 199.160.14 with 32 bytes of data.
Reply from 192 160 1. 4 Jules 32 time - Ims TTL-128
Roply from 192.160.1.4: bytes = 32 time = 2ms TTL=128
Reply from 198.160.1.4: bytes - 32 time = 2mg TTL-198 Reply from 198.160.1.4: bytes - 32 time = 1 mg TTL-198
Reply tupon 198 160 14 1 1 20 1-19
Righly from 198 160.1.4: byles - 32 time-2ms TTL-139
Pockets bent = 4, Received = 4, Lost = 0 (01. Loss)
sapple sound dup line in millisconder
Appra nound trip live in millisconds.  Herienem Ins, Hazemen Ins, Arage I vos.

PC ping 192 160.16 purging 193.160.1.6 with 32 lyles of data: Biging 192160:16 8 Reply from 192.160 1.6: byla 30 time 12mg TIL. Reply from 192.160.1.6: byles 32 time-6 ms Tres Reply from 192.160.1.6: Lyles-32 time-6ms Tre. Peply from 192.160.1.6 : lighter- 32 time - 6 ms 7th Parg statistics for 192 160:16: Packets Sent +, Received = 4, Lost = 0 (0.1. loss) Afford usund trips in millisconds: Himmumstons, Maximum 12ms storage = Fine Obscuration: · Switch broadcasts packets to all devices during first iteration, seconds IP address of interded destination, sends package to the destination. Hub broadcasts packets to all the ding which are even not intended to receive the packet and the indicated device succeives the packet, sends acknowledgement message.



## Output:

