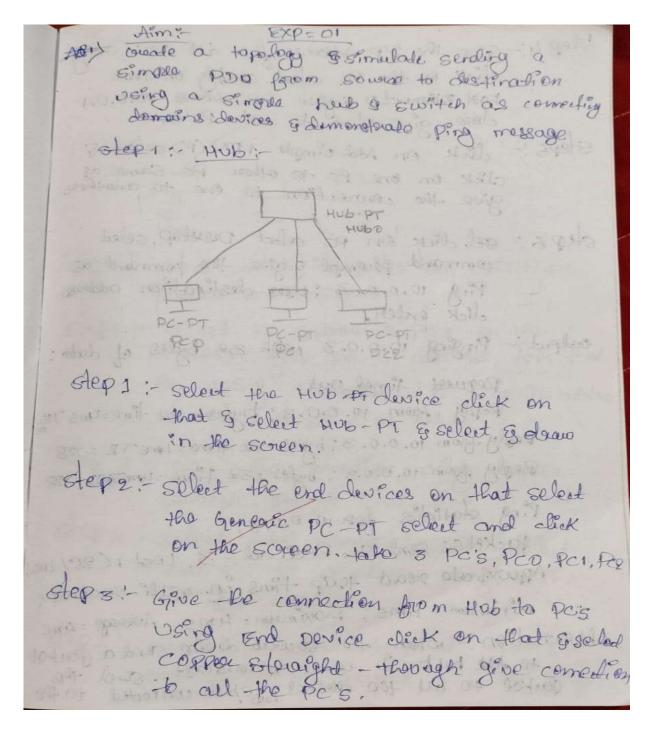
LAB-1

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

OBSERVATION:



step 4:- Give the RP Address fooi all Pc's aspire click on the Pc select config on that tast Ethernet o gaine RP address 10.0.0.1 close. give same to all Pc's.

Steps: - lick on Adol simple PDN (P) select & click on one PC to other PC Same as give the connection to one to another.

step 6: set click on pe select Disktop, select command as Ping 10.0.0.3 ?+ as destination address click ender.

output: Pinging 10.0.0.3 with 32 byles of data:

Request timed out.

Reply from 10.0.0.3; bytes = 32 fine=1ms 716.

Reply from 10.0.0.3; bytes = 32 fine=1ms 716.

Reply from 10.0.0.3; bytes = 32 fine=1ms TTL=128

Prog statistics foor 10, 0.0.3;

Packets: sent = 4, Reclived = 3. Lost 1 (25% Los),
Approximate sward trulp times in milli-seconds;
minimum = 4ms, Maximum = 4ms, Average = 4ms

observation! when the source device sent a gardet to the hub it will bloadcast sond the gardet to the hub all the devices hubehall conrocted to the

switch: Switch - P7 - 040step1: - select switch iconfellet on switch pr & lick on to south. Step 2: - select PC & down 3 Pc's on the. storeen give the ip address for that PC using Fasterfloor not 0 . Give ip adoles as 10.0.0.4. Same as all. Step 3!- Give the connection using coppear. Straigh Hough give link to all Step 4! - select And simple PDO(P) select one PC to another Pc give link to that message.

Step 5. t select pe click on that elick on Desktop -> como Promet give the ping address.

Step 6 !- PC> Ping 10.0.0.5 output! Pinging 10.0,0,5 with 32 bytes of Pinging 10.0.0.4 with 32 bytes of data? 1310m 10.0.0.4 byfe8 = 32 firmo = 1 mg 712mg from 10.0.0.4 byles- 82 fino=1ms TrL: Reply Reply Gom 10.0.0.4 bytes = 32 time = 1ms TTL = Ping satisfield food 10.0.0.3 Appendicat second toup times in milli-seconds. Observation: when the source device sent a factor to all hub it will be read cost or send the partet to are the divices which are connected to the hub. AUD ip. 0 to a Jan 201 step 1: Previously aroun hub topology & switch togology are connected through cooper core ensur En hub part 3 is used in switch foot affect Step 2: Add simple PDC from Pco to Pc3.

Ping 10,0.0.4

Pirging 10.0.0.4 with 32 bytes of data;

Reply from 10.0.0.4 bytes = 32 fine = 1 ms TIL = 18

Reply from 10.0.0.4 bytes = 32 fine = 1 ms TIL = 18

Reply from 10.0.0.4 bytes = 32 fine = 1 ms TIL = 18

Peny from 10.0.0.4 bytes = 32 fine = 1 ms TIL = 18

Ping statisfied food 100.0.34

Appropried prond trip times in milli excord.

Ninimum = 4 ms. maximum = 4 ms. Averag = 4 ms.

observation!

En simulation mode peo sends packet to hub. hub send it to per pees is select boroad easts it to pes a reus pes

PCI, PC2, PCH & PC5 discords them.
PC3 accepts & serds acknowledgment to hub
thoward swithch.

only peo accepts it & others discool.

Revisional sound and sound packet to hub
it bound casted to PCI, PCE switch.

No o switch bound casts it only to PC3.

thus switch is smart device.

OUTPUT:

