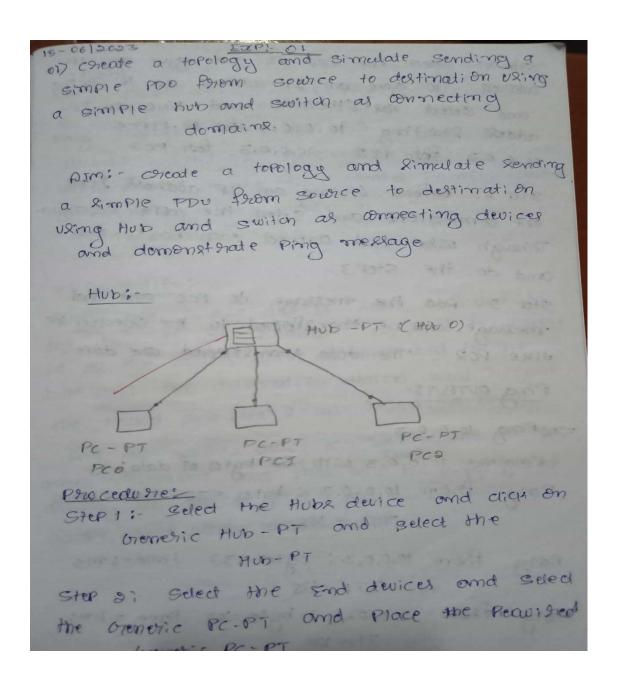
LAB-1

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 3:- Select the each PC and give an IP address, To give an IP-address go to corp, and Select Fast Ethernieto and crive an IP. address Starting 10.0.0.1 for PC-PTPCD addess Starting 10.0.0.3 for PC3

ster 4: Before criving an IP address felled the cornections and select the corner straight. Through wise and cornect each Pc to Hub.

and do the Step 3.

Step 3: Pold the message to PCO and that message will be thomsfeotied to the selected Pc dike PCQ. The data thomsfeotied are done.

Ping OUTPUT:

=>0Ping 10.0.0.3

Pinging 10.0.0.3 with 32 bytes of data:
Reply forom 10.0.0.3; bytes = 32 time = 4ms

TTL = 128

Reply from 10.0,0,3; bytes = 32 time = 4 ms
TT1 = 128

Roply from 10.0.0.3; bytes=32 time = 4ms

Rong from 10.0.0.3: with 32 bytes of data time = 4ms TTL=128

Ping Statistics for 10.0.0.3:

Packets: Sent = 11, Received = 4, 1021 = 0 (0% 1092),

PPP roximate round thir times in milli - Second,

Minimum = 4 ms. maximum = 4 ms.

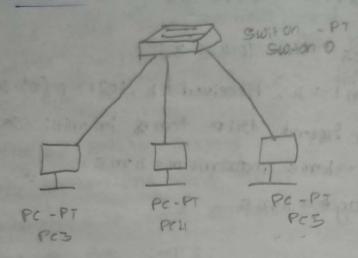
observation:

when the source devices sent a Packet to the hub it will bradcost or send the Packet to all the devices which all connected to the hub and the destination devices will breceive the Packet and other's will breied the Packet.

and destinations device will sective the Packet actrowledgement and that will be distributed among all devices and the source will accept and other will discord.

m

Switch :



procedure:

Step 5: Select the Switch and 3 Pc's

Step 5: Connect the Switch and 3 Pc's with

the copper storaight - Thorough

Step 3: Too to each Pc and Seded the

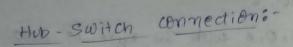
Cach Pc and give an IP address

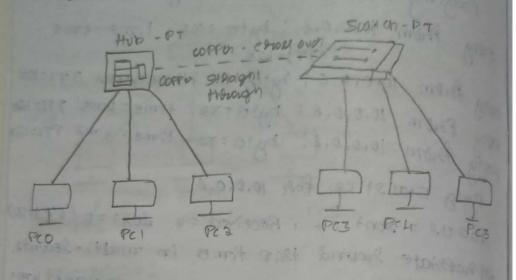
Step 4: Odd Simple Ppu(p) to one Pc and

that is the Source Pc and give on medage

to other Pc that is destination Pc.

Ping outPut:





Step 11. Prie viously drawn hub-topology and switch topology are connected through copper chose ones.

In Hun Ponts 3 is used in Switch fast etherno

Step 21- Add SIMPLE PDC from PDC to PC3

Ping OUTPUT!

PC7 Ping 10.0.0.4

Pinging 10.0.0.11 with 32 bytes of data;

Reply from 10.0.0.14; bytes = 32 time = 1 ms TILE 188

Reply from 10.0.0.14; bytes = 32 time = 1 ms TILE 188

Reply from 10.0.0.14; bytes = 32 time = 1 ms TILE 188

Reply from 10.0.0.14; bytes = 32 time = 1 ms TILE 188

Reply from 10.0.0.14; bytes = 32 time = 1 ms TILE 188

Reply from 10.0.0.14; bytes = 32 time = 1 ms TILE 188

Ping Satisfies for 10.0.0. 1

packets. Sent = 1 Received = 4 1082: 0 (0% doss)

presopriate sound this times in milli-seconds

minimum = 11 ms materimum = 11 ms

Presage = 11 ms

observation:

In simulation mode PCD sends packed to hill Atup Sends it to PCI, PCD and Swit on blood Costs it to PCJ, PCH and PCJ

PC) PCD, PCH and PCB -disportends item,

PC3 accepts and lends acknowledgement to his
though 2007 on

thub is blooded coass it to all 3 per only per access it and others derived

In second tround PCD sends Packet to HUD it.
Whoad coulted to PCI, PCI switch Now Switch is
broadcoults it only to PC3 i Thus Switch is

momant device.

Jul 18/6/23

OUTPUT:

