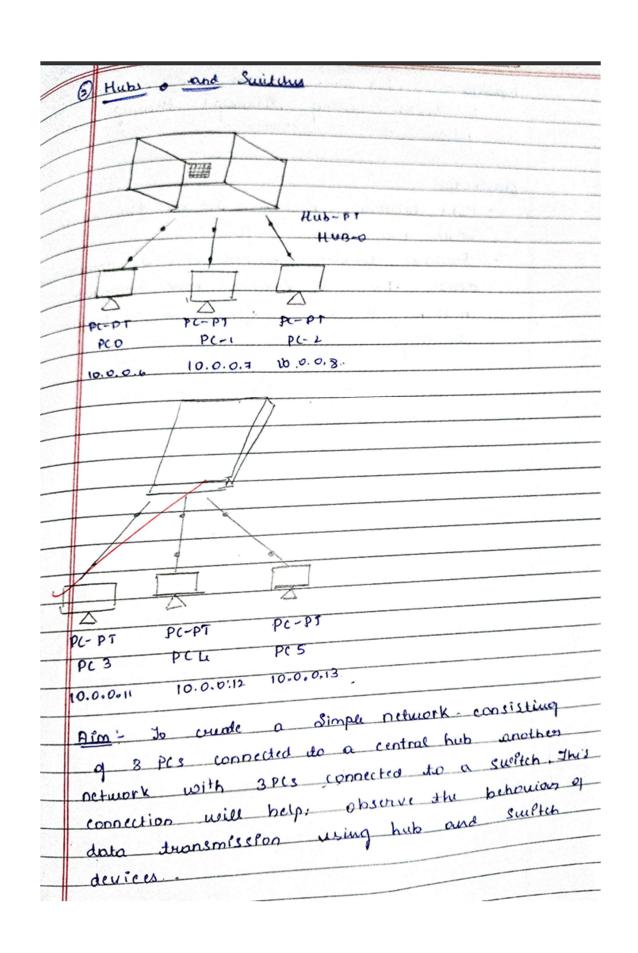
Program 1

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

Topo	Topology , Procedure and Observation:	
	Alm: To Set up a point netwark between	
	a PC & a Server, facilitating commo	
_	ta observe data exchange	
	suspend of very pool fail	
	Topology: A PC is connected to seeming	
	using, a crossour ethernet cober	
	TP adder 0) PC ? 10.0.0.1	
	Sunce 3 10.0.0.2.	
	Observation! Direct communication allows	
	PC to communicate with sover; who	
	is typically Small networks for toxis	
	Such as file shaving, recicue requero	
	or tating server network	
	The state of the s	



Topology: 3 PCs are connected to a hub
is switch using straight through
eables

• Hubs broadcast packets to all the device

which may cause traffic

• Suitches for wards packets only to appropriate

device by to docating MAC address.

making it more efficient to in traffic

handling.

