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	Experiment -1
	Objective: Stimulate the transmission of simple PDU Using Hubs and switch as connecting devices
	Using Hubs and switch as connecting devices
	1 opology :
	Carlotto Section Secti
	Huls I
	PCO PC, 'BP10PD TPC3, CaptoD" PCS 10,001 10.002 10.002 10.006
•••	
	HUB2 Suside MI
	PCG PC7 PC8 PCG PC10 PC11 10.0.0.7 10.0.0.8 10.0.0.9 10.0.0.12

Procedure 1 3 end devices & 1 hob Step !! Place 3 generic Pis and I generic Hub Step 2: Connect all the TC to the trub using Copper straight through wires Steps: By selecting PC > config > fastethemet 0 sot IP Address as (0.0.0.7, 10.0.0.8 \$ 10.0.0.9 Stepu: Select Add Sample PDV, select Source& Step 51 Observe the Simulation is simulation Mode 2] 3 and devices & switch Step 1: Place 3 Pc's & I generice switch Step 2: Connect all Pc's to step: ten using correct Straight throught wires Step 3: Ry selecting PC > conting > Fastedhernet 0 set Step 4: Sclert Add Simple PDU & Source & destination Pols Step of Observe the simulation in Simulation made

E end devices De 7 Hubs & I switcher. Step1: Place Le PCS, 2 laptops, & 2 hobs & l'switch Step 2: Cornect 2 PCS & 1 taptop to early other hos Using copper Straight through wire & both hubs to the switch using copper cross-over wire Step3: Ste set IP address for all for end devery for 10.0.0.1 & to 10:0.0.6 Step 4'. Schiet Add simply P.D.D Riselect Source & Pe Step 5 - Observe the simulation in simulation mode The second of th The hob sends the parket to all available devices the destination To accepts the parket & sends the alknowledgement back all-the remaining Pc reject the Packet ? The switch sends the traket only to the distinction The which accepts I sends from alenowledgement 2) The hubo recease packet & sends to other Pa 2 the conitch, the switch sends it to hubol which transmits it to all remaining Po's thre destination

Po accept thre Packet & acknowledgement by

bending it back by trub 1 -> switch -> hulo 0

	Difference between Hub & Switch
	HUB Supotab
	* Hub is operated in physical * Switch i's operated in
	loyer & of O:1 duta link layer of our
	& Alub is broadcast type & Switch is unicet, multicost,
	transmission - transmission
	+ Hub have 4/12 ports + Scortish (an have 24 to 62 que
	A HUB is half duplex transmission to switch is full duplex transmission
	model
	* Hub is simple old not generally & switch is strophysticated &
	Und widely used.
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