10/9/24 Ex-8a) Configuration of Date: 10/9/29 Virtual LAN AIMO estudios citro con to being has Simulate vistual LAN configuration using CPS co Packet Tracer Simulation. Perform following configuration: 1) Greate the network wing switches and PCg. 2) configuere static IPs on Pc as follows: Pco: fao/1 - IP address: 192.168.16-2 Gateway: 192.168.16.1 PC1: fao/2-IP address: 192.168.10-3 Grateway: 192.168.10.1 PC2: fa0/3- IP address: 192.168.20.2 Gateway: 192.168.20.1 PC3: fa0/4 - IP address: 192.168.20.3 Gateway: 192.168. 26.1 3) Open command line interface of Switch and configurer VLANS (VLANIO, VLANDO) and rame them. A) Assign first two PCO (PCO, PCI) to VLANIO and other two to VLAN20 by configuring them Pn (2) 5) Open command prompt of PCO and ping the pc1 by 'ppng 192.168.10.31 and we get reply messages.

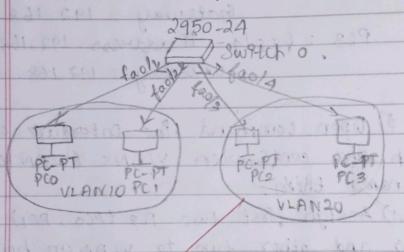
6) Open command prompt of PC, and and type 'ping 192.168.10.2' and we get reply messages from PCo we get reply messages from PCo and ping the PC2 with 32 bytes of data.

T) Open command prompt of PC2 and ping PC3. by 'ping 192.168.20.3' and get reply messages.

8) Set the file from PC3 to PC2 and PC1 to PC6 to check Pf 12t transfers successfully.

Here two VLANS network is created and assigned IP address to each PCs, and check whether packets are transferred with VLANS successfully.

D'agrammatic representation:



Output	Panel	1	
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pine	Last Status	Source	Destination	Туре	Tine	Periodic	Nam
6	Successful		PCI		0.000		0
9	Success fu)		in short	1.8	ha pa	N	1

## Student observation:

Write the commands used for VLAN configuration in switch.

# vlan 20
# vlan 10
# name cisco # exit

# exit

## # Show YLAN

VLAW	Name	Status	Ports
10	cisco	active	faoli
20	Packet	active	

# configure # Interface fol! # switchport mode access # switchport access vian 16 # exit # Priterface fold # suftenport mode access # switch port access vlan 10 # ex9+ # Priterface fol3 # switchport mode access # switchport access vlan 20 # Raft # Interface folg # switch port mode access # switchport access vlan 20 # expt 49 co 11 Output : 10 1 The configuration of vertual LAN Ps successfully observed and the sulput is verified.