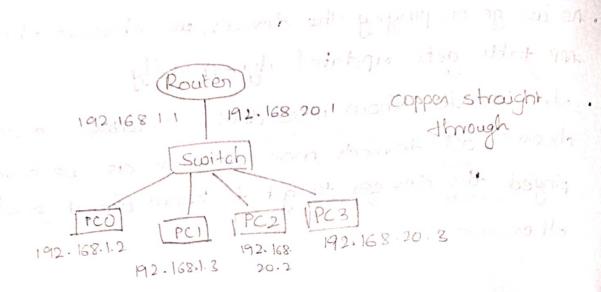
Aim - to contruct a VLAN and make the PC's and communicate among a VLAN

Topology



Procedure:

- 1) Set up the topology as shown above, use 1891 router
- 2) Add an extra router-port to the switch as its needed
- 3) Use copper straight through wire. Set the
- 4) In switch config VLAN patabase, give any VLAN numbers, here 20, and VLAN name, here VLAN
 - select add select the interface (herege 4/1) (nearest to the switch from router) and make it trunk.

6) Look into be 211 and 3/1 and change VLANI to 20: VLAN

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Reply gomins insisors bytening

7) In router, select NLAN Database, enter the number and name of the VLAN created ce dring a or sol cu Buildid

In CLI of router

Router (vibb) # exit

Apply completed

Router # config t

Repill from the test sees togies - 22 Router (ungig) # interjace jostethernet do Router congit-ig) # ip addren 192.168.1.1 Router (config- ig) # no shut 255.255.255.0

Router (config)# interface partethernet 0/0.1 Router (wonfig subig) # encapsulation dot19,20 Router Cungig - subig) # ip address 192.168.20.1 by the an dimension rains

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from one of the troup on the chan

Router (congig-subig) # no shut Router (config-subif) # exit

(in PCO)

PC> ping 192 168.20.3 1 4 mm.

pinging 192.168.20.3 with 32 byton of data

Reply from 192.168.20.3: bytes = 32 time = 1 ms TTL=178

appeals from the harmale of the day

Reply grom 192.168.20.3; bytes: 32 time = 1 ms TTL=108

Reply grom 192. 168.20.3; bytes: 32 time: oms TTI=128

Reply from 192.168.90.3: bytes= 32 time=0ms TTL=128

Ping station for 192.168.20.2

Packet: sent = 4, Received = 4, Lost=0'

Approximate round trip time in milliseconds: Minimum = 0 ms. Maximum = 1 ms, Average=0ms;

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Observation

broad cast domain that is postitioned and isolated in a completed network at the data link layer

at It is a virtualised connection that converts multiple devices and network nodes from different LANS into one local

