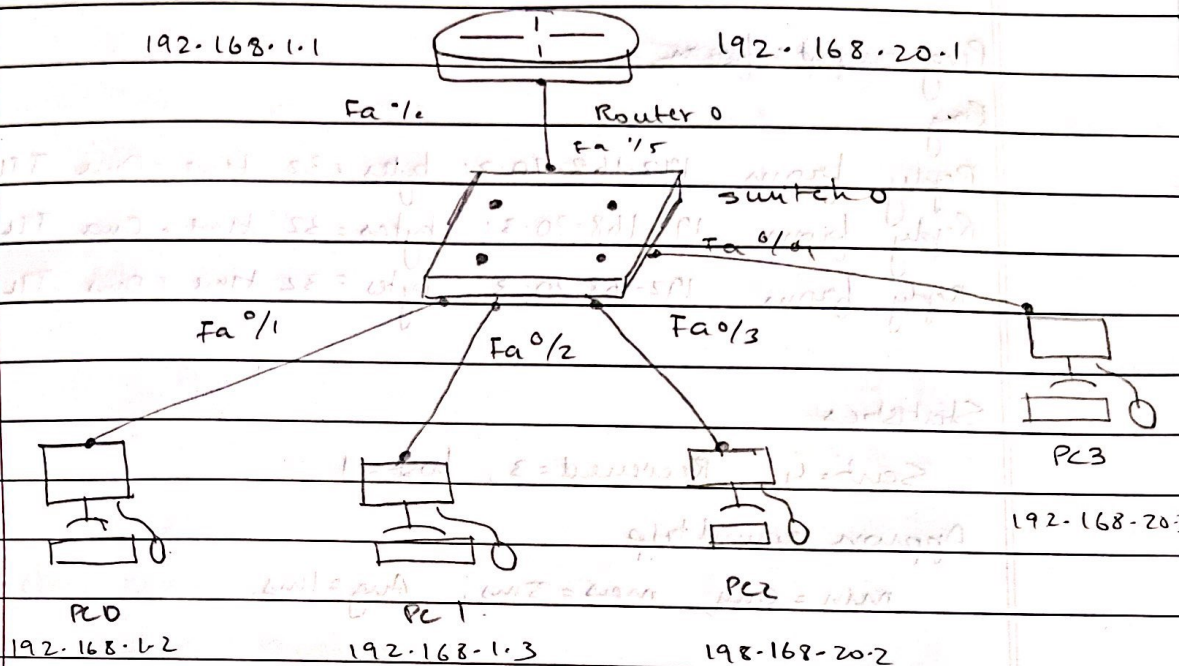


Program - 9

Aim: To construct a VLAN and make a PC communication among VLAN

Topology:



Procedure:

- Create topology choose 1841 router 2960-24TT switch here
- Set the IP address of router and 4 PC's
- in Switch, go to config t and select VLAN database. Give any VLAN no. like 2.
- Select interface fast ethernet 4/1
- Select switch under 2nd interface.
- Router → Config t → VLAN database → VLAN name.
- Go to router → CLI
- Step 1: Config T
- Step 2: interface.
- Step 3: No shut

Step 5: conf t

Step 6: interface fa 0/0.1

Step 7: encapsulate

Step 8: ip address

Step 9: No shut

Step 10: exit

Ping output: ~~from~~

~~Ping~~

Reply from 192.168.20.3: bytes = 32 time = 0ms TTL = 127

Reply from 192.168.20.3: bytes = 32 time = 0ms TTL = 127

Reply from 192.168.20.3: bytes = 32 time = 0ms TTL = 127

Statistics:

Sent = 4, Received = 3, Lost = 1

Approx round trip

min = 0ms, max = 5ms, Avg = 1ms.

Observation

VLAN & other VLAN connected to same switch?

VLAN's don't use IP address

Inter-VLAN routing gives a flexible tool to logically subdivide their networks.