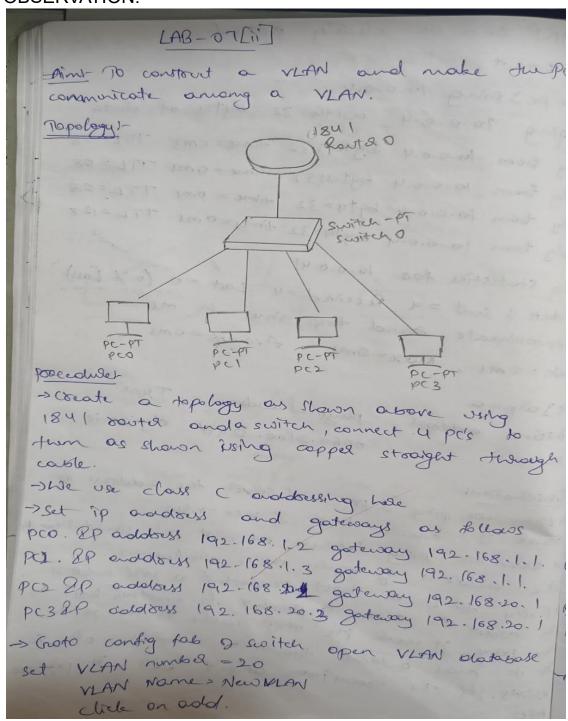
LAB9

To construct a VLAN and make a pc communicate among VLAN.

OBSERVATION:

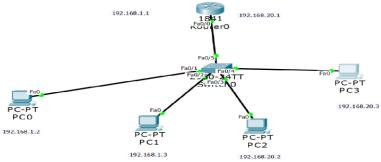


In switch go to fostethenet sto and connect it to souted and configure it. select Tounk and choose 20, New VLAN. - FOX FOX 0/3 and POX 0/4 select 10: New AN and keep access on it is. -> open config toute in south, goto VLAN database Add VLAN no. 10 -> En souter, go to CLB made. fa olo Rooted (config) # 1 pandotess 192.168.1.1 255.258.250 Routa Confie # no shut. houted (anting) ## interface fortethernet 0/0.1 houted (config-subst) Hencapsulation old iq 20 Route (config-506F)# ip address 192.168.20.1 255.255.255 David (config-subst) # no shut Routel (config) # exit Ping output & PC> ping 192.168.20.2 Pinging 192.168. 20.2 with 32 bytes of data. Regulat Amed out. Reply from 192.168.20.2 bytes: 32 time=oms TTL = 127 Reply from 192.168. 20.2 bytes=32 Homes 2ms TTL=127 Reply from 192.168.20.2 Sytes=32 time=1ms TTL=127 Plug statistics for 192, 168.20.2 Packets sent = 4 Recieved = 3 Lost = 1 (25 6 loss) Approximate sound trip in ms! min soms Max 2015 Average a ons.

Moderation The can obsave that after VLAN is configured we can successfully ping PC2 (192, 168, 20.2) from pco (192.168.1.2) ACT and DC3 are genoped together and communication among them is done via NLAN. · 192-168.20.1 is a sub interface 0/0.1000th

TOPOLOGY:





OUTPUT:

```
PC0
                                                       X
Physical
           Config
                     Desktop
                                Custom Interface
 Command Prompt
                                                             X
  Packet Tracer PC Command Line 1.0
  PC>ping 192.168.20.3
  Pinging 192.168.20.3 with 32 bytes of data:
  Request timed out.
  Reply from 192.168.20.3: bytes=32 time=0ms TTL=127
  Reply from 192.168.20.3: bytes=32 time=5ms TTL=127 Reply from 192.168.20.3: bytes=32 time=0ms TTL=127
  Ping statistics for 192.168.20.3:
      Packets: Sent = 4, Received = 3, Lost = 1 (25%
  loss),
  Approximate round trip times in milli-seconds:
      Minimum = 0ms, Maximum = 5ms, Average = 1ms
  PC>
```

