15.09.25   Experiment = 9 Implementation of Sub in cisco packet tracer

Aim :

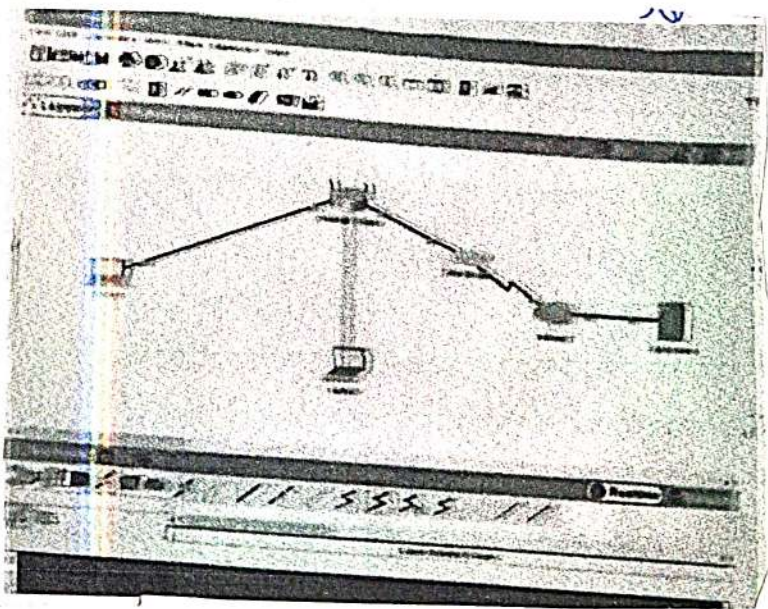To implement subnetting in cisco packet tracer.

Steps:

1. Creating a network topology :
   - create a network topology. select "New", the "Network" & generic. This will create a blank network topology.

2. Adding the devices
   - to add a device, select device from button left corner and drag it into the topology.
   - Add PCs, switches and routers as required
   - Connect the devices using cable from one port to another devices port

3. Subnetting
   - To subnet the address of 192.168.1.0/24 cannuse /27 mask.
   - This will give us & subnets with 30 host

   Ex: PC-1 - 192.168.1.1/1 Switch1 Router
   PC-1- 192.168.2.1) Switch2 192.168.2.1

1. Configuring the devices

    · open cl on the router
      · Enter
    # enable
    # configure terminal
    # interface fast ethernet 0|0
    # ip address E IP address 3 { subnet mask 3
    # no shut down
    # exit
    · Replace { IP address 3 { subnet mask 3 with
      your desired addresses.

Output

Result:

This experiment was executed successfully and
Subnetting was implemented