SUBNETTING FOR CLASS C ADDRESS

# AIM: TO establish the subnetting for class C address

# REQUIREMENTS:

\*switches-3

\*router-1

\*pc’s-6

\*cable

# PROCEDURE\*

1. The main objective is to set up a subnetting
2. The concept involved in this network are IP Addressing and the subnet and gateway

3. The equipments required are 192.168.10.1,192.168.10.2.192.168.10.3.192.168.10.130.192.168.10.131.192168.10.132 Host A, Host B, Host C ,Host D,Host E ,HostF, two switch/Hub ,six PC’s equipped with at least one NIC, one HUB or Switch and the necessary cables.

1. When the physical cable is set up the host need to be configured using the “ipconfig”

Command.

1. To verify communication among the machine the ping command is used.
2. Manipulate the routing tables at the host to understand how machines know where to send packets.
3. The ipconfig command places a default route into the routing tables, hence this route

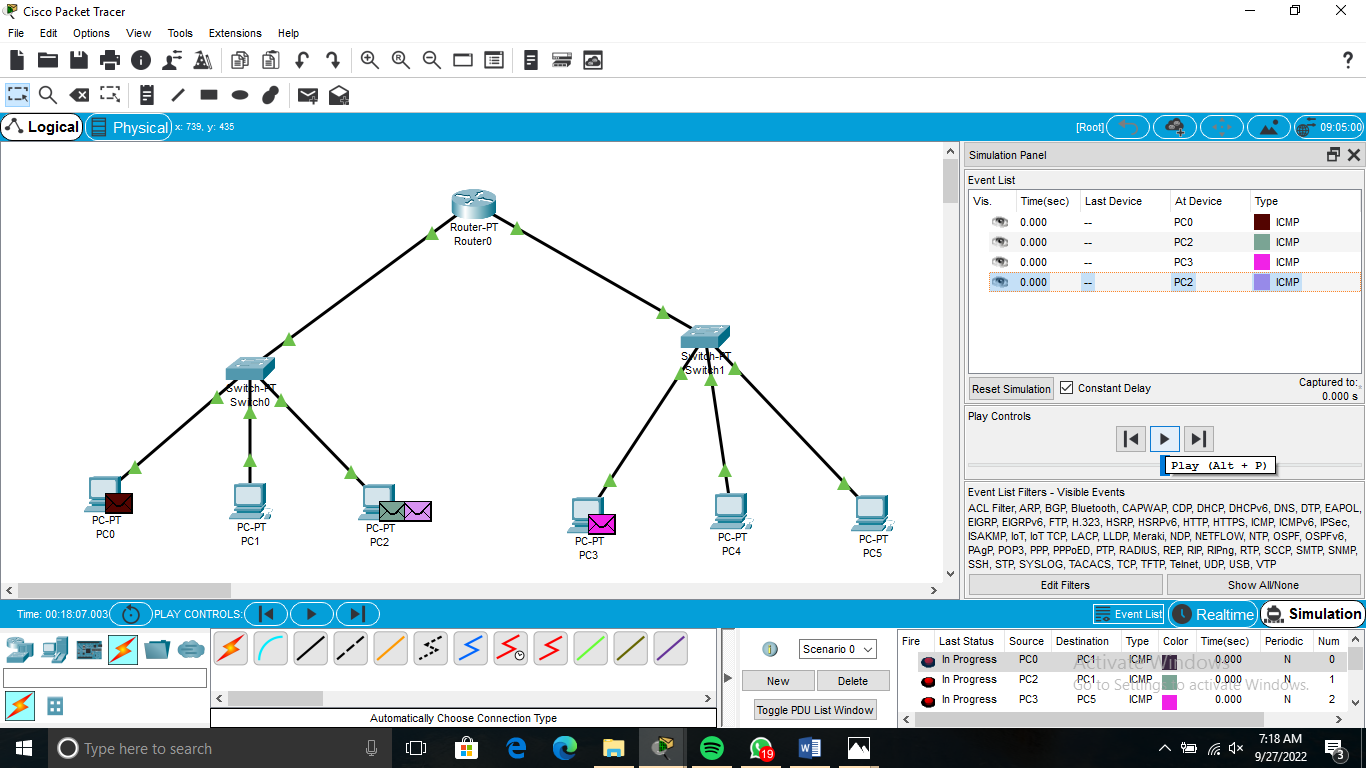
must be deleted to ‘blindfold’ the machine.

1. The ping command is used again to show that communication is no longer available.
2. To re-establish communication the routes are put back into the routing table one host at a time.
3. Communication is once again verified using the ping command.

# IMPLEMENTATION:

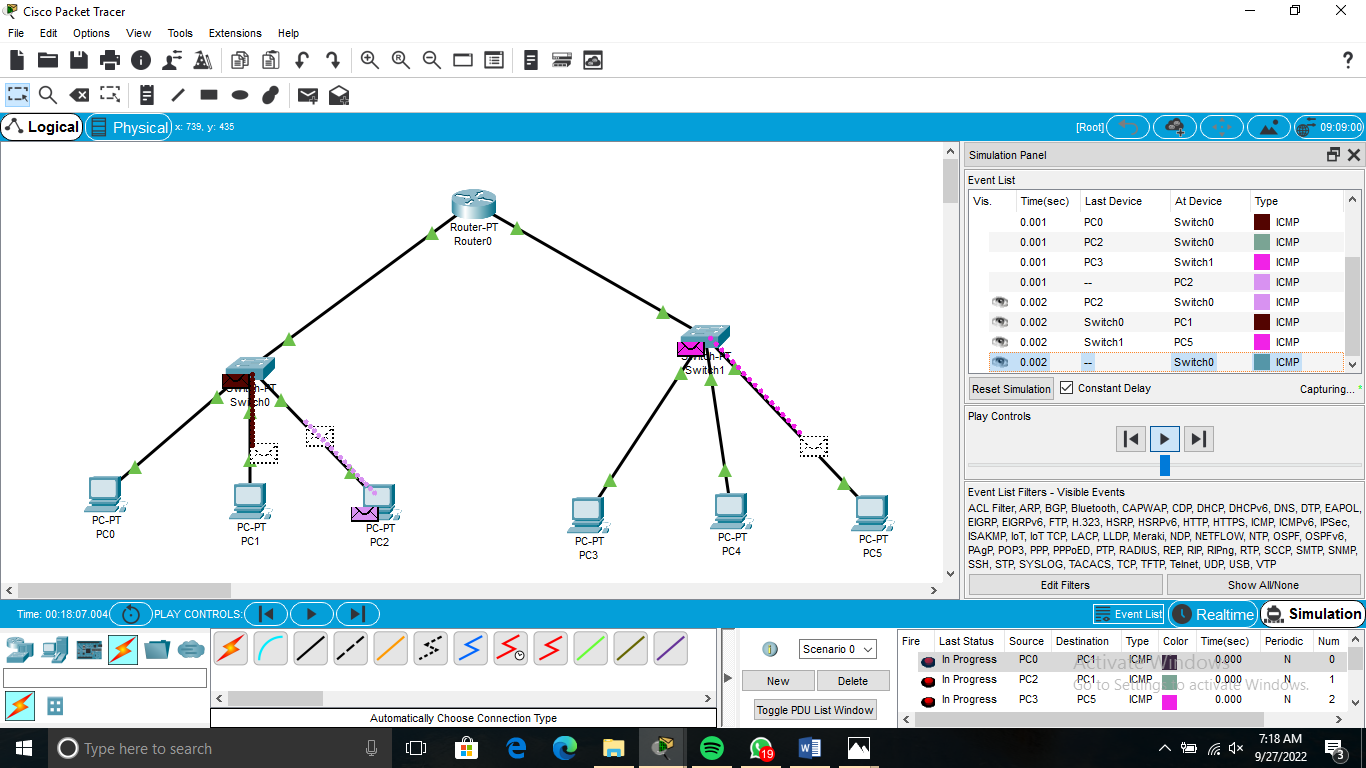
## STEP:1

## 

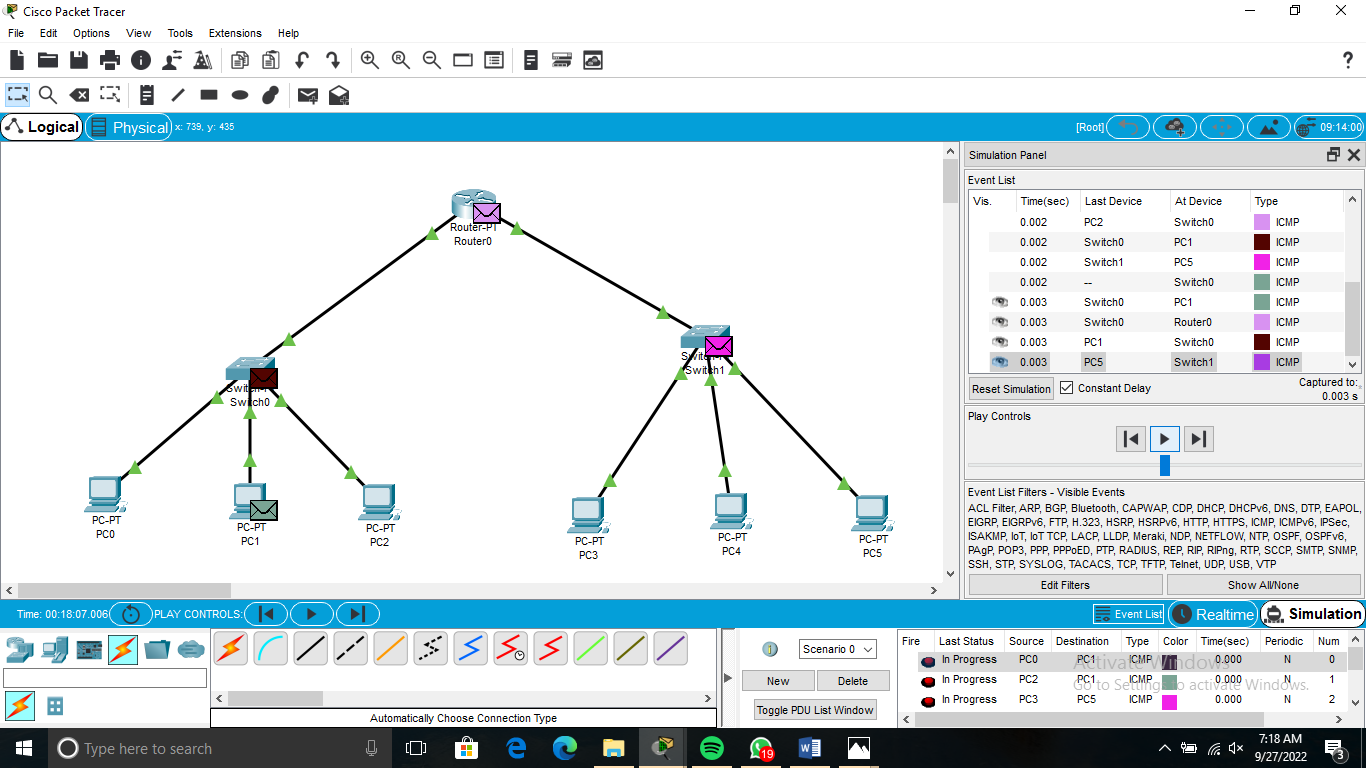


## STEP:2

## STEP:3



## STEP:4



# RESULT:

Thus the subnetting of class C was established and the communication

among the machines using ping command is verified successfully