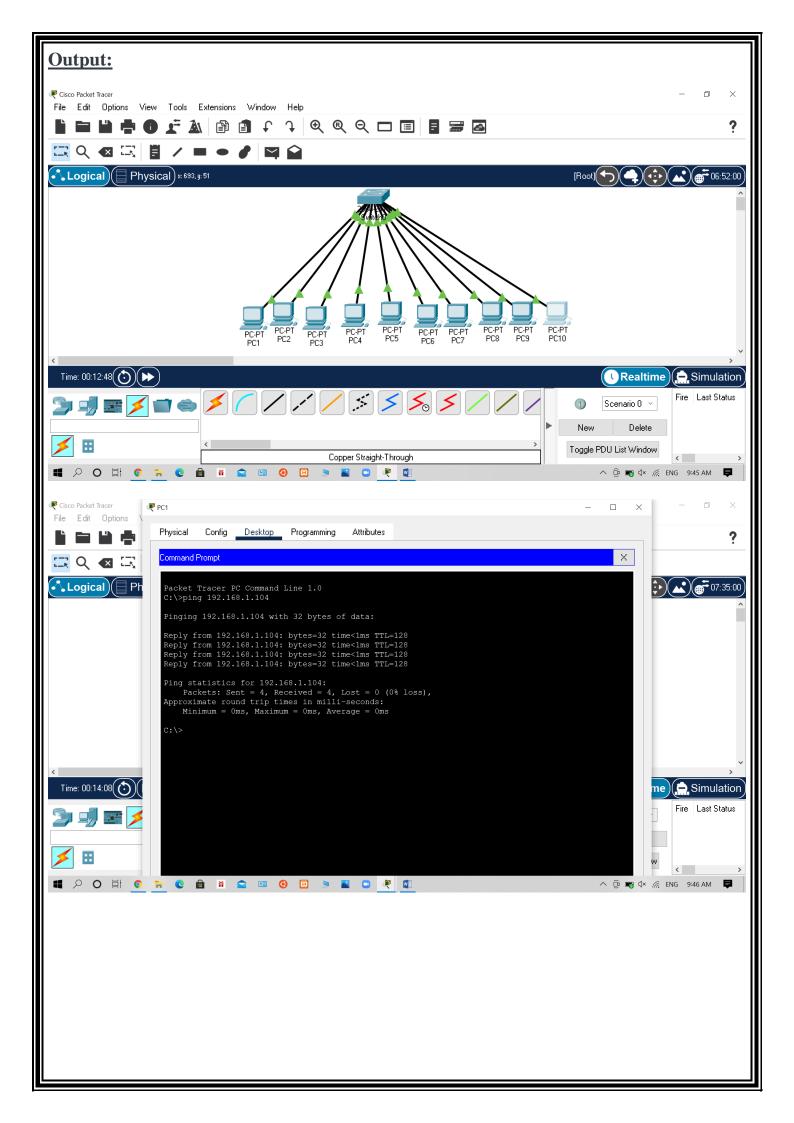
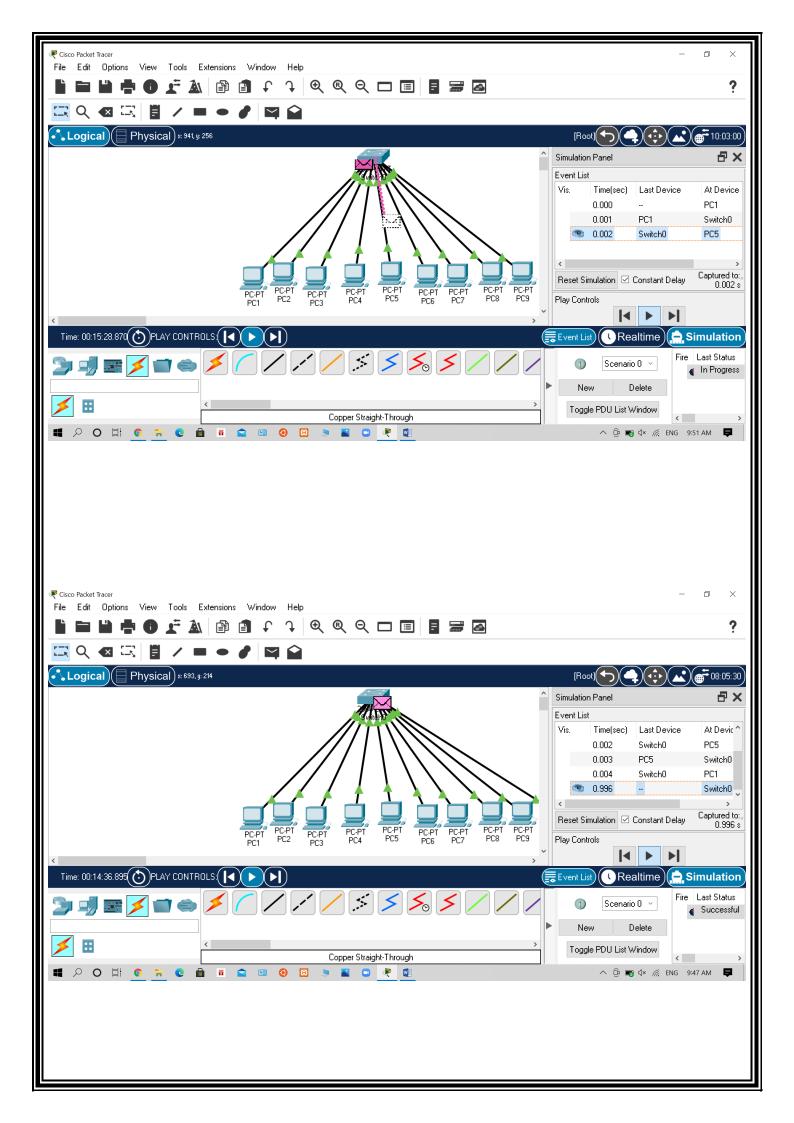
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## **Mid Term Practical**

1. There is an organization A with multiple departments. Design a network for the HR department and the size of the department is 10 users. Also, show the communication between user number 1 and user number 5 of the network.

Answer: Stepi- open cisco packet thacen and select 10 end denices CPC, to PC 10) Step 2 - Now from network clerices select the switch Step 3- From the connections option select the copper Straight through cable and using it connect all the duries to the switch Step4- Now click on the denico ( (PC, ) and go to the desktop option and from there select Ip configuration and give Ip address as 192. 168. 1. 100 to the first device and keepeat this perocess for all the demi ces. Step 5- Now select PC, go to the command perompt option Use the ping command with Ip address of 5th device to show the communication is established i.e; connection is working on not. On use the simulation mode for showing communication. i.e; Select PDU from PCI to PCZ and see whether acknowledgement recieved on not.





2. There are two organizations in a city named GEU and GEHU, design a network between the SOC department of GEU and GEHU. Also, show the communication between user number 1 of GEU and user number 2 of GEHU.

Answer2- Step 1- Open visco packet traccer and create 2 LANS using 4 end devices in each lan.

Step 2 - After setting up the 2 LAN's from the network devices belief the Fronter 2911.

Step 3 - Now from the connections select the copper Straight through cable and connect the LAN'S with the houter.

Step 4- click on months go to config click on gigabit etherent 0/0. give the Ipry address for LAN1 and LAN2 and on the post status.

Step 5. Go to PCO click on desktop in Ip config type default gaturary and use it for all deriver of I lan and do the same for II LAN.

Step 6. Use the ping command to make the connection

