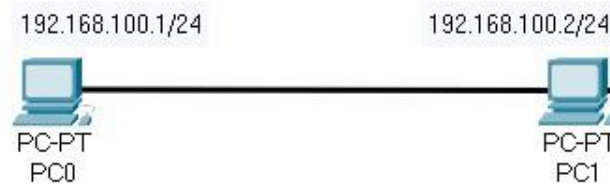


CO323 - Lab 01

Introduction to Cisco Packet Tracer



Assume an situation where you do not have access to the internet and connect your PCs through a RJ45 direct cable connection to share some files.

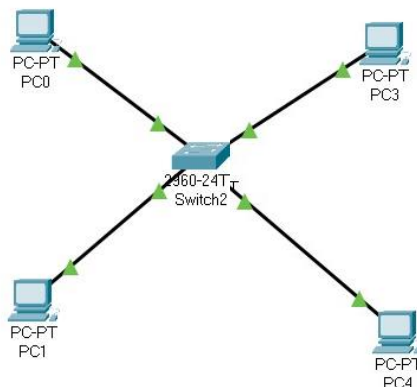
- 1) Connect two PCs through a RJ45 direct cable as shown above.
 - a) Assign IP addresses and subnet masks.
 - b) Open a command prompt at both of the PCs and try to ping the other. What do you observe? Explain your observations.
 - c) Change the cable to a crossover cable and check the connectivity

**** discuss the observations among the group members.**

Check the following combinations of IP addresses and Subnet masks and explain the results.

| PC0 IP address | PC0 Subnet mask |
|-----------------|-----------------|
| 192.168.200.1 | 24 |
| 192.168.200.1 | 16 |
| 192.168.100.10 | 28 |
| 192.168.100.250 | 28 |

- 2) Create the network shown below



- a) Assign IP addresses and subnet masks appropriately.
- b) Ping the each PCs separately and explain the observations.
- c) Try PC0 and PC1 with a different subset mask and a different class of IPs while keeping the other PC configurations same, then check the connectivity between each PC using ping
- d) Apply the 1.C IP and Subnet masks configurations to a PC while keeping the other PCs configurations same and observe the connectivity

**** discuss the observations among the group members.**

Create a brief report and name it as **E17XXX_report.pdf** (XXX is your E Number) including your observations and explanations.