



IS 2111 - COMPUTER NETWORKS

LAB - 03

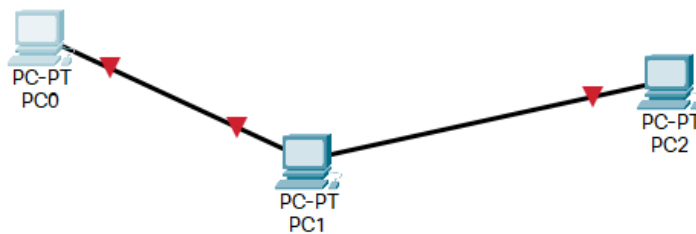
Using Linux Machine as a router

Items you get

- Two linux computers having linux pre installed with one RJ45 port (PC0 & PC2)
- One linux computer having linux pre installed with **TWO** RJ45 ports (Router_Computer - PC1)
- Two twisted pair cables with RJ45 jacks

What you have to do

- Physically create the below diagram using provided devices.



- Configure IPs on all machines using the “**ifconfig**” command. You have to set IP addresses on **all** computers using ifconfig command and **nothing else**
- You may use the “**sysctl**” command if needed.
- Run PING command as below mentioned to check the connectivity and **EXPLAIN** what happened to the evaluator
 - Ping between PC0 and Router computer
 - Ping between Router Computer and PC1
 - Ping between computer PC0 and PC1
- You will get **5 mins** to do the assignment.

Since you have to complete the lab and give viva on some questions, get ready for this practical by studying background information about those commands and concepts.