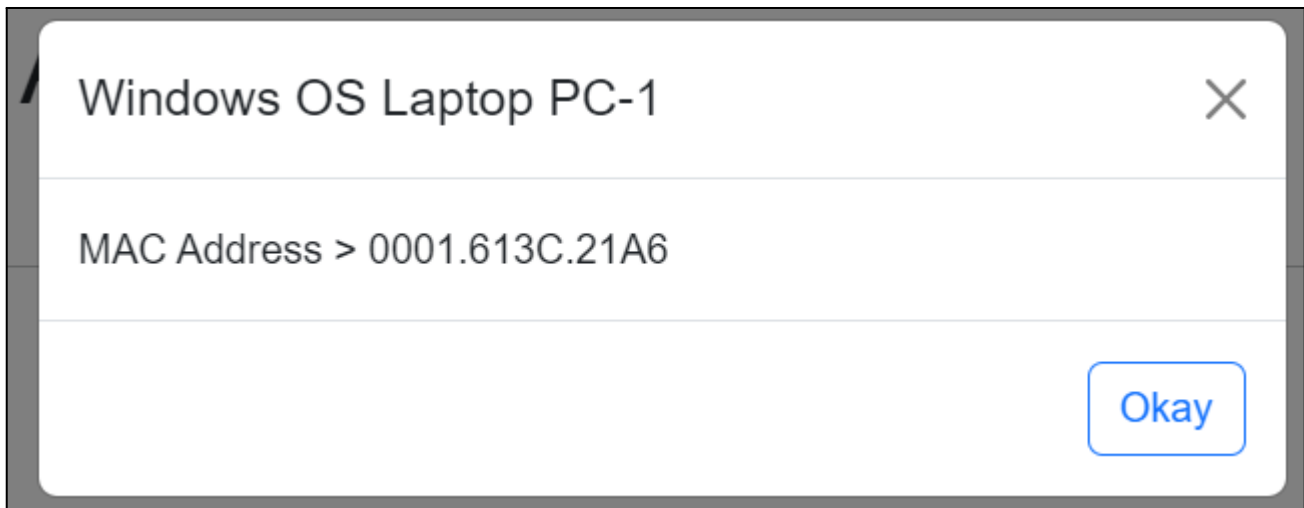
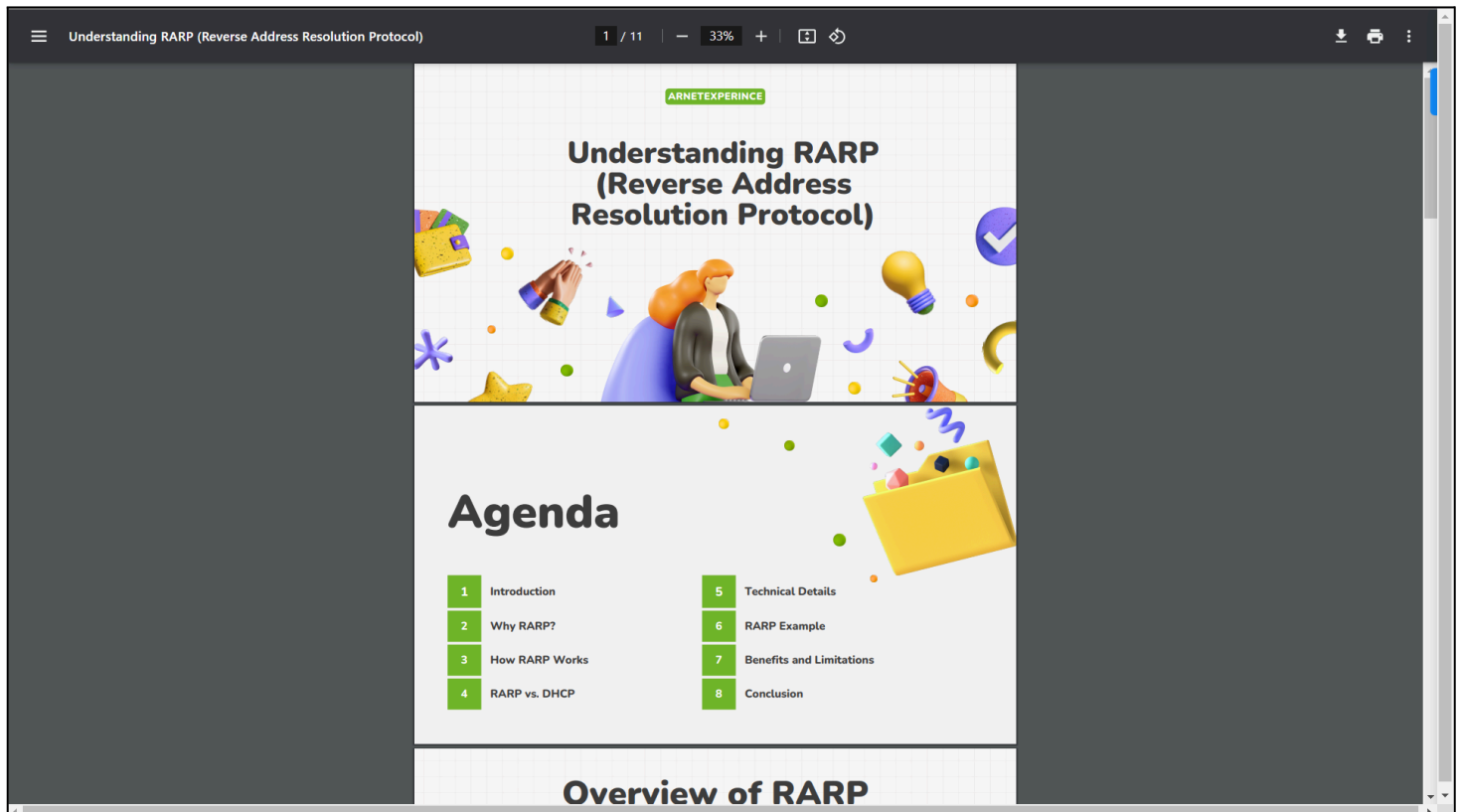
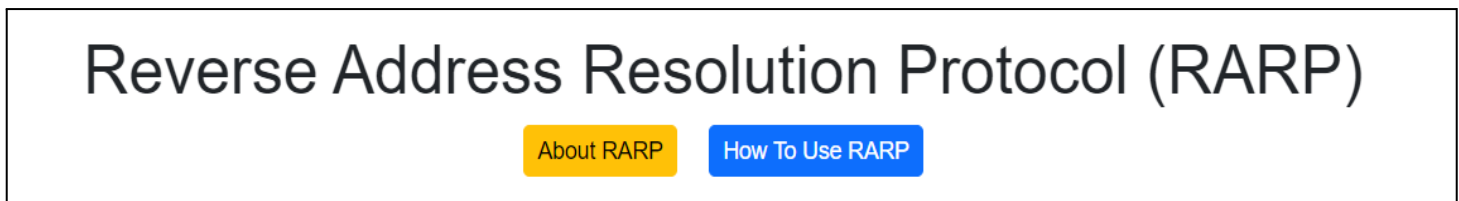


Understanding RARP (Reverse Address Resolution Protocol)

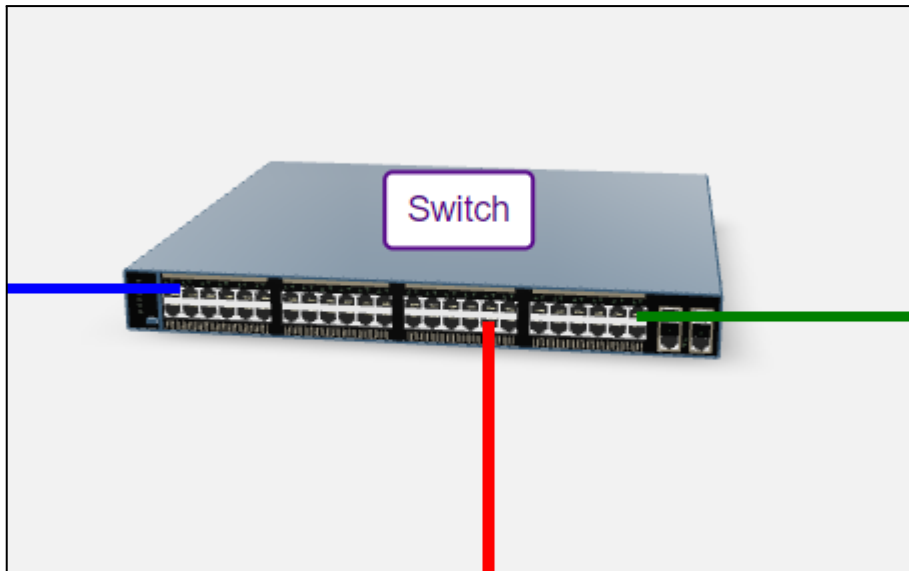
1. If you want know MAC Address of any PC you can click on blue square as shown below:



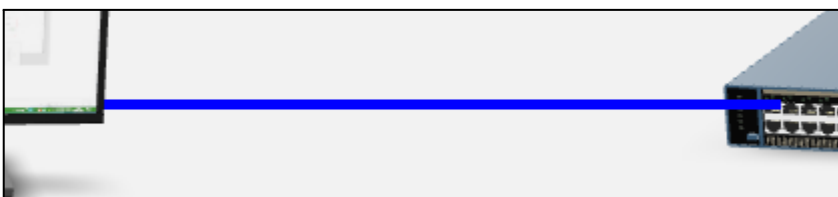
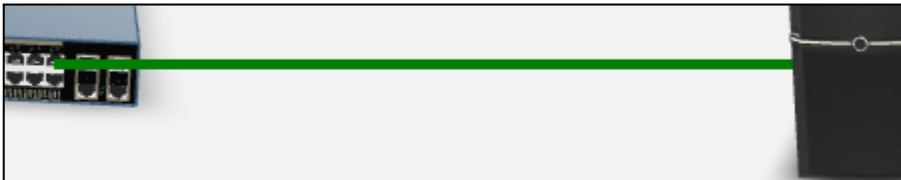
2. Click on "About RARP" to view Presentation on ARP topic:

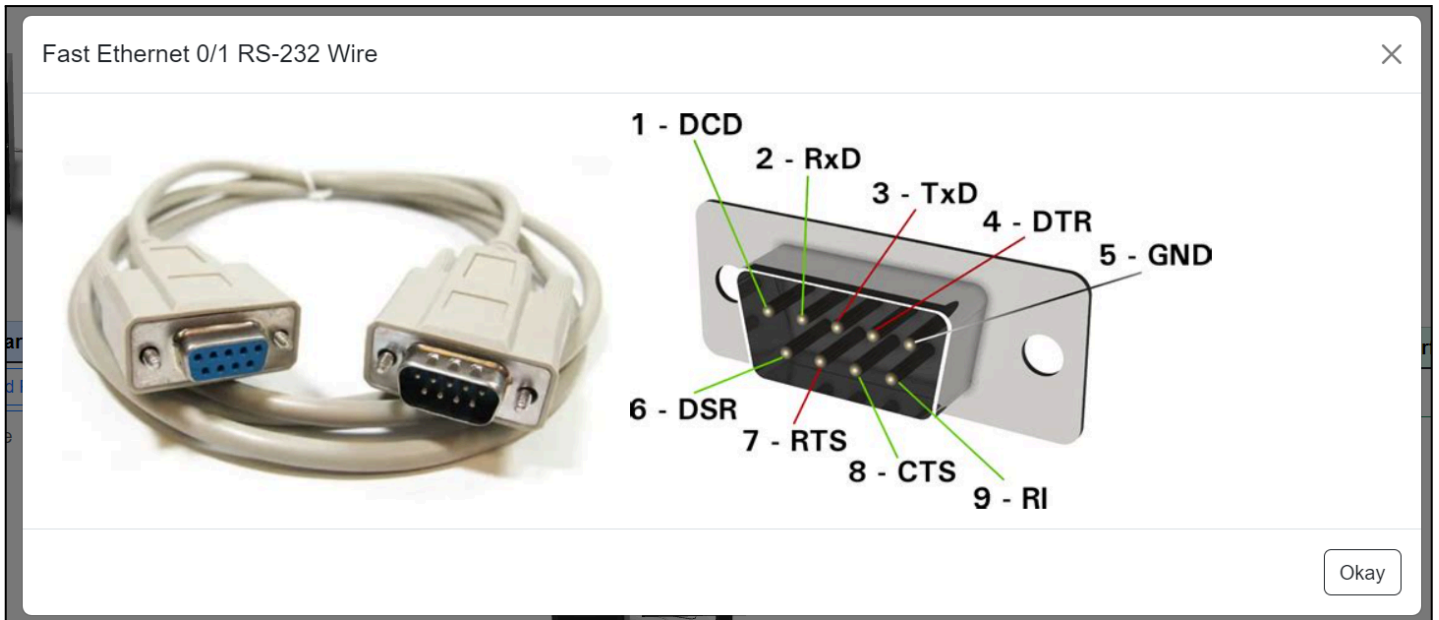
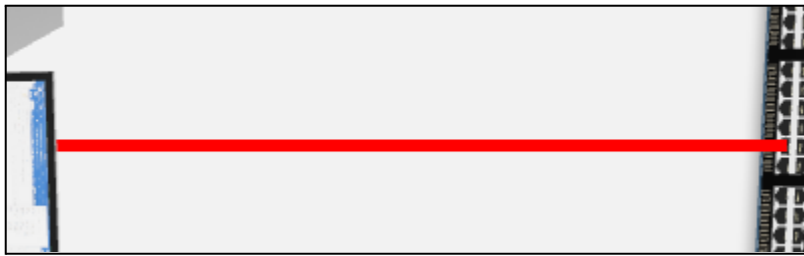


3. Click on “Switch” to view Switch Details:

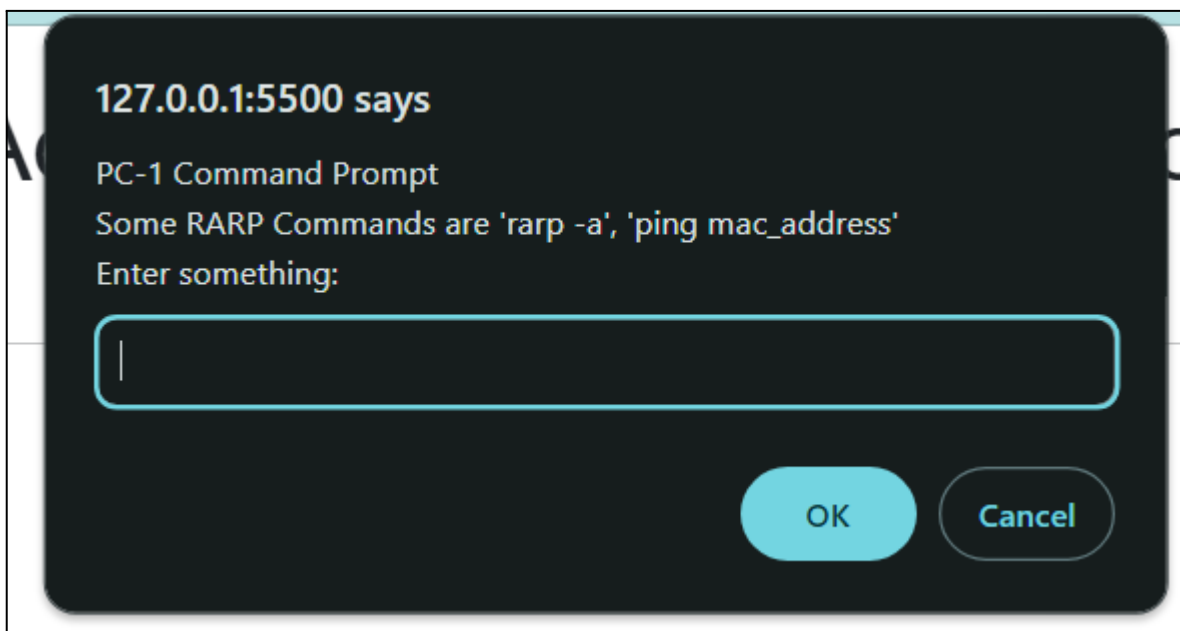
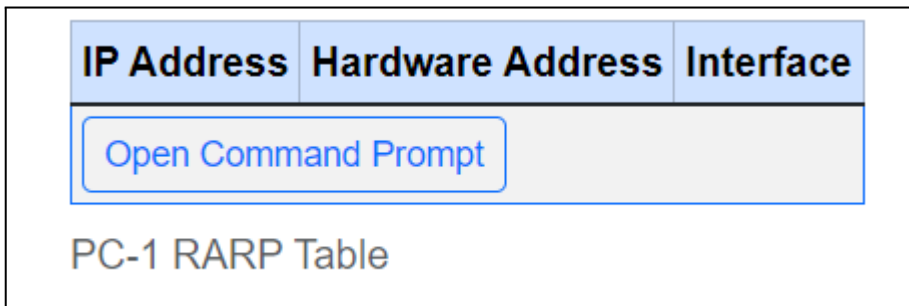


4. Click on wire colors “Red”/”Blue”/”Green” to view wire details:

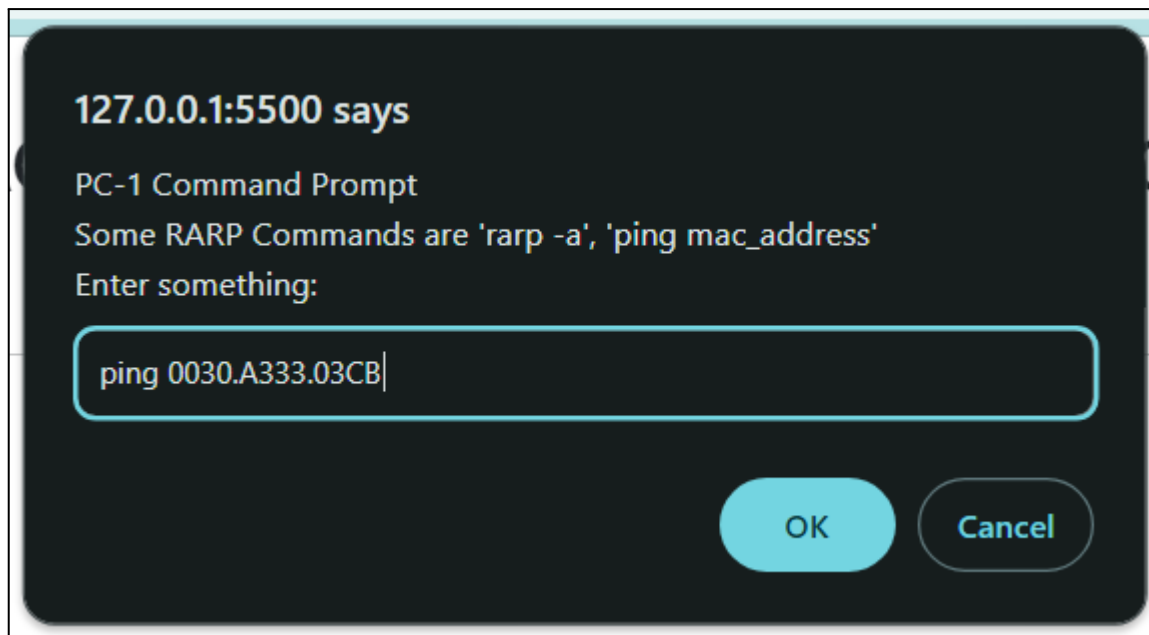




5. Let's start performing RARP in AR World!!! Click on "Open Command Prompt" button of any PC:

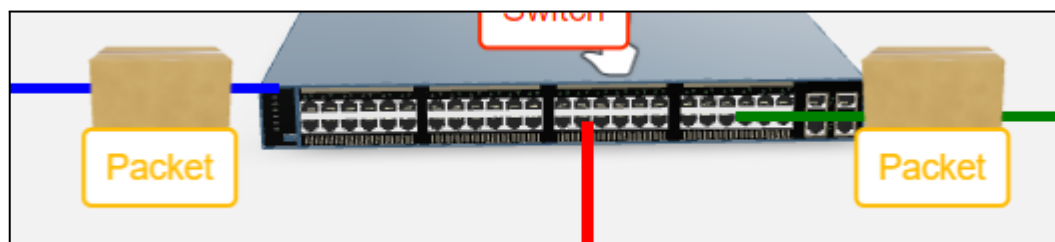


6. Enter “ping MAC_Address” of PC of which you want to know IP Address

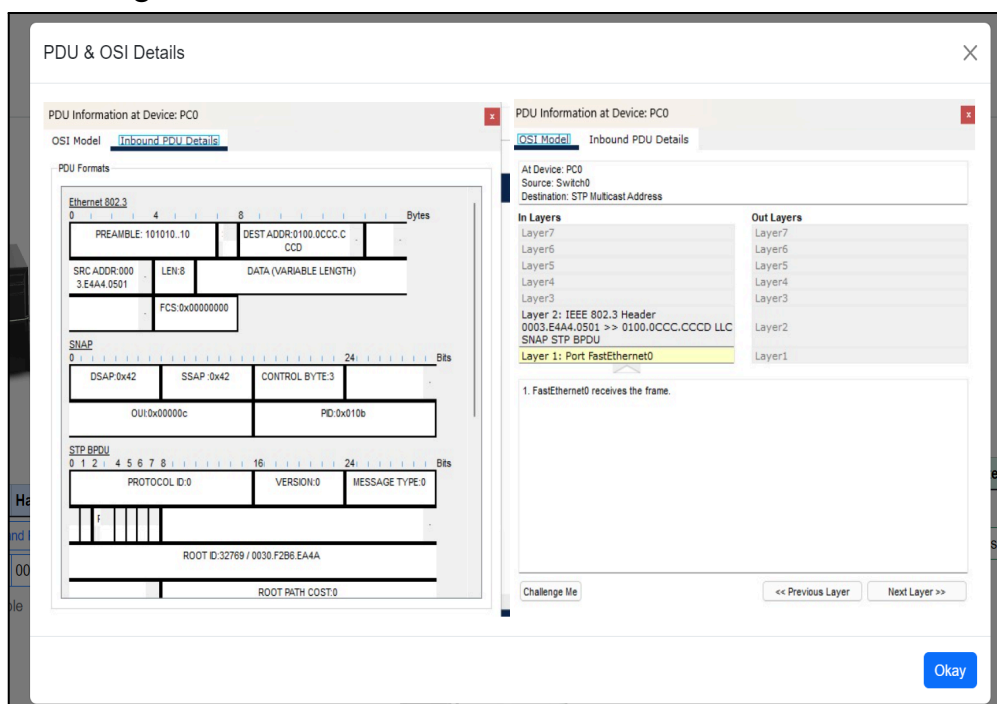


7. For now let's enter MAC Address of PC-2 which is 0030.A333.03CB

8. Now Click on OK then the magic AR World will begin the packet will start simulating



9. When you click on Packet Label you will get details of what is there inside the Packet when it goes from PC-1 to PC-2, PC-3 to search for that MAC Address



10. PC-1 sends a ping to all PC's whichever PC matches that ping MAC Address sends Acknowledgement and also stores PC-1 MAC Address and IP Address in their RARP table.

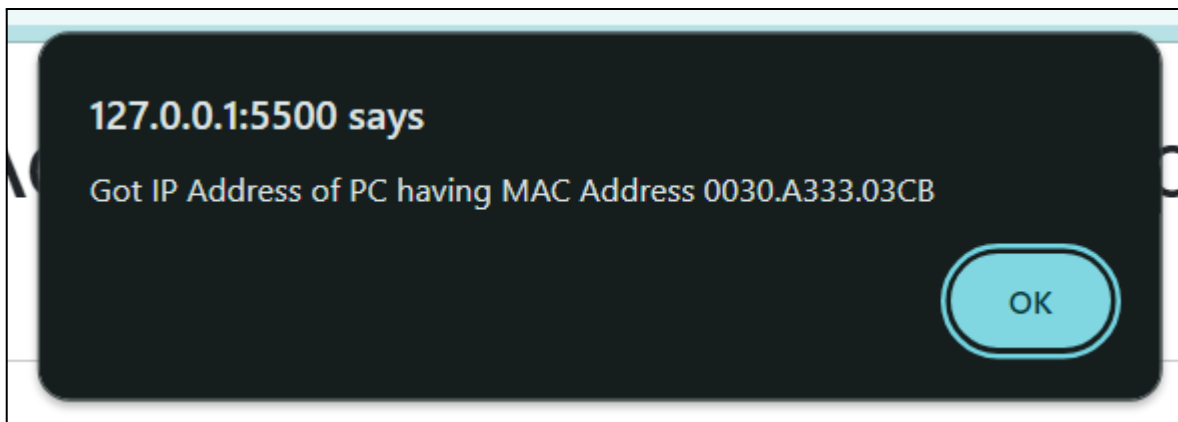


11. PC-2 stores IP Address, MAC Address, Interface in their RARP Table of PC-1.

IP Address	Hardware Address	Interface
Open Command Prompt		
192.168.11.1	0001.613C.21A6	Fast Ethernet 0/1

PC-2 RARP Table

12. You will get an alert message like this: “Got MAC Address” means communication between PC-1 to respective PC with IP Address 192.168.11.2 is completed.



13. You will observe that after clicking on OK the PC-1 RARP table shows IP Address, MAC Address, Interface of PC-2.



IP Address	Hardware Address	Interface
Open Command Prompt		
192.168.11.2	0030.A333.03CB	Fast Ethernet 0/1

PC-1 RARP Table

This way you can get the IP Address of any PC when you know only one thing that is an MAC Address and this is how it works in Real World also.

Bonus!!!

You can also zoom in network devices with mouse to look around to take a look

