The Internet

What is our GOAL for this MODULE?

The goal of this module is to learn how information travels on the internet and important devices which make the internet possible.

What did we ACHIEVE in the class TODAY?

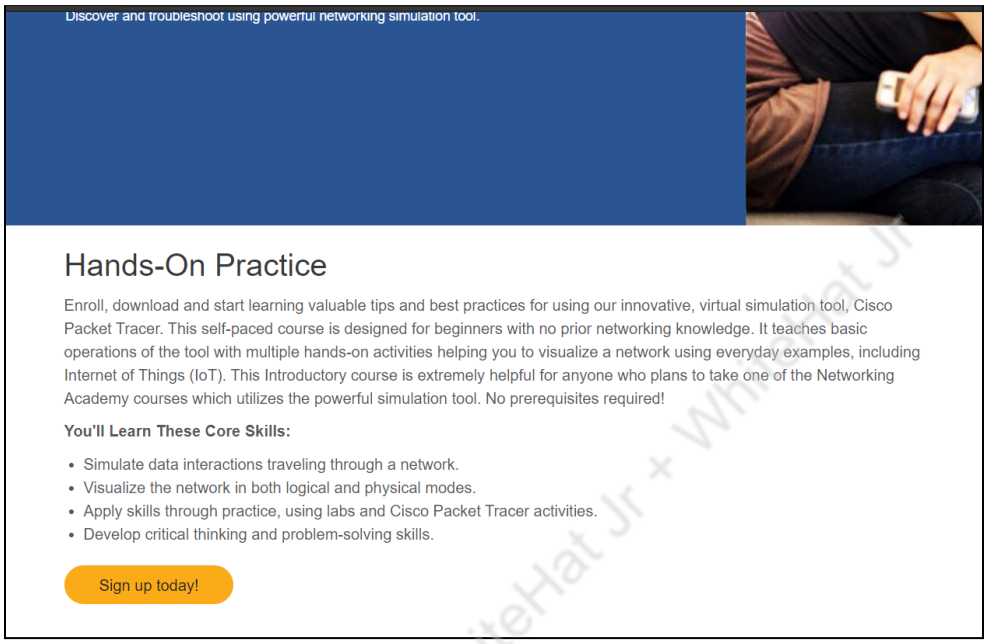
We created a virtual network with the help of Cisco Packet Tracer.

Which CONCEPTS/CODING BLOCKS did we cover today?

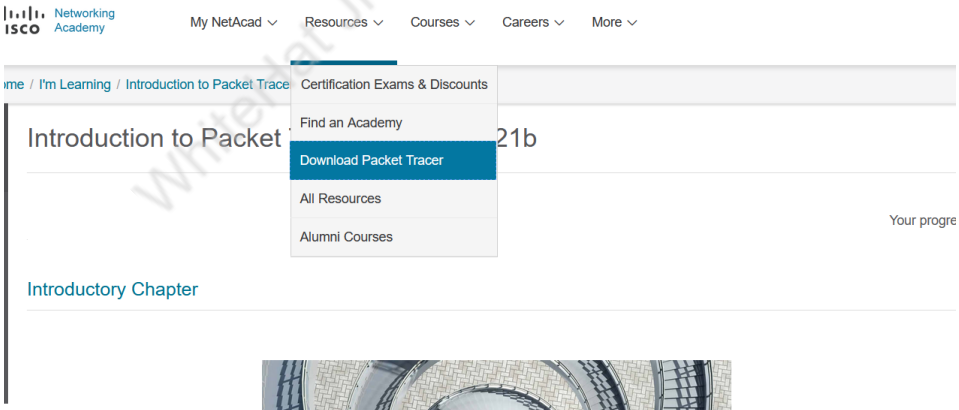
- We learned about the Internet.
- We also download and Install Cisco Packet Tracer.
- We also created network simulation

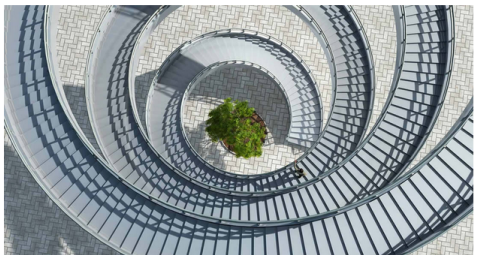
How did we DO the activities?

1. Cisco Packet tracer is a free software from Cisco. Sign up for a free account.

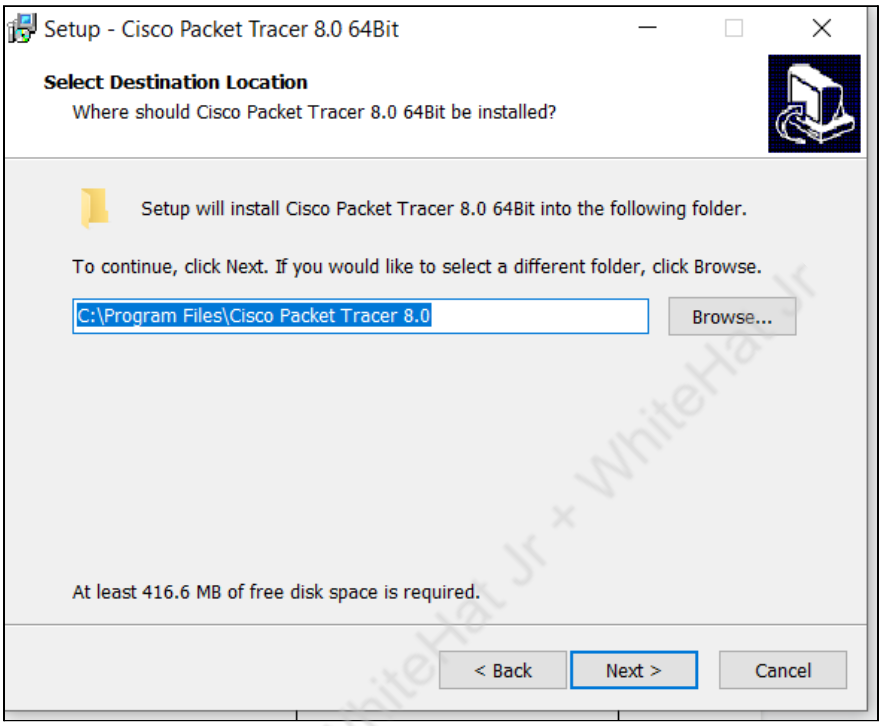


2. Download the software.



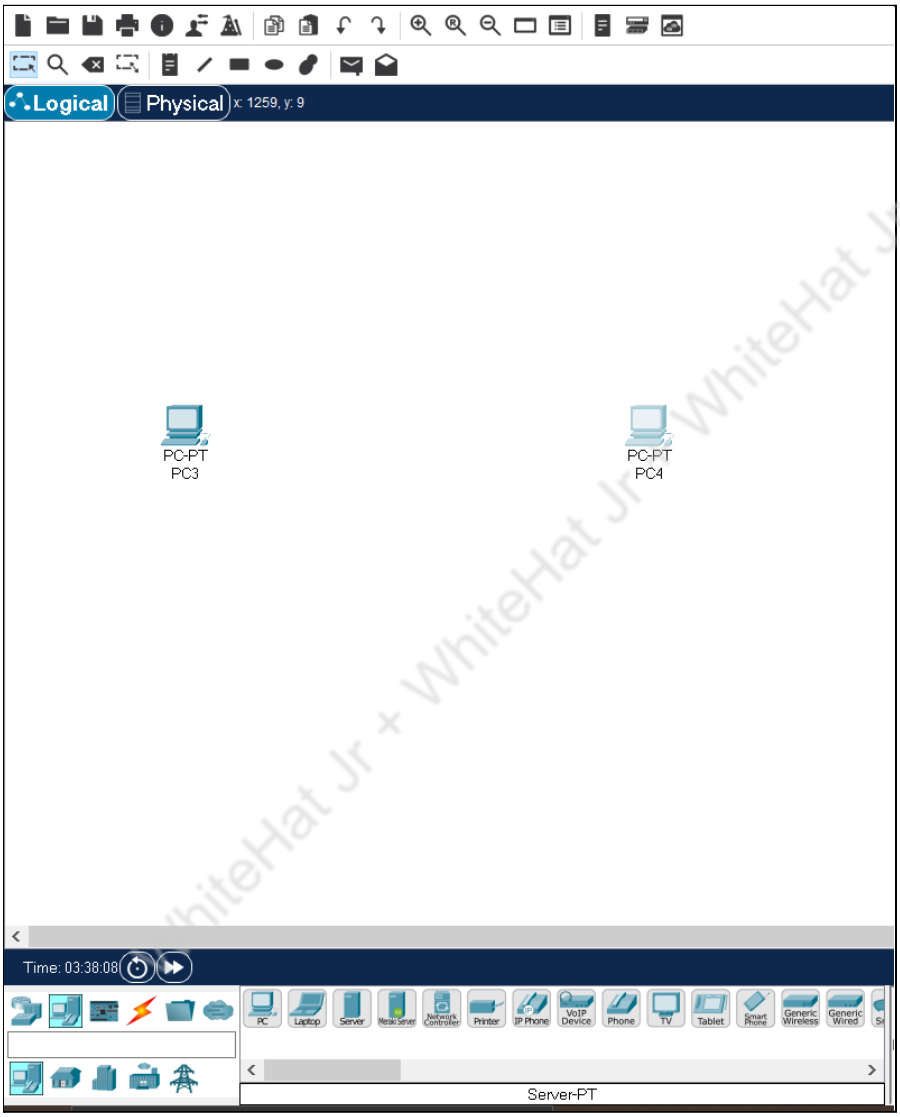


3. Install the software

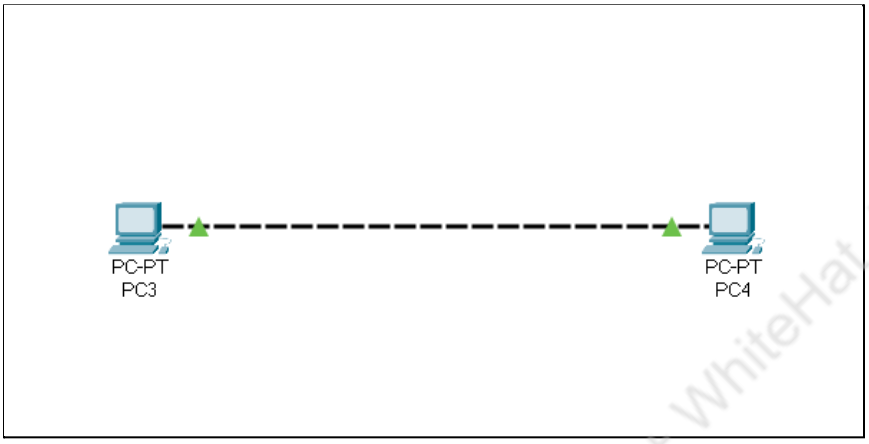


4. Choose the end devices tab and from there and select the PC option.

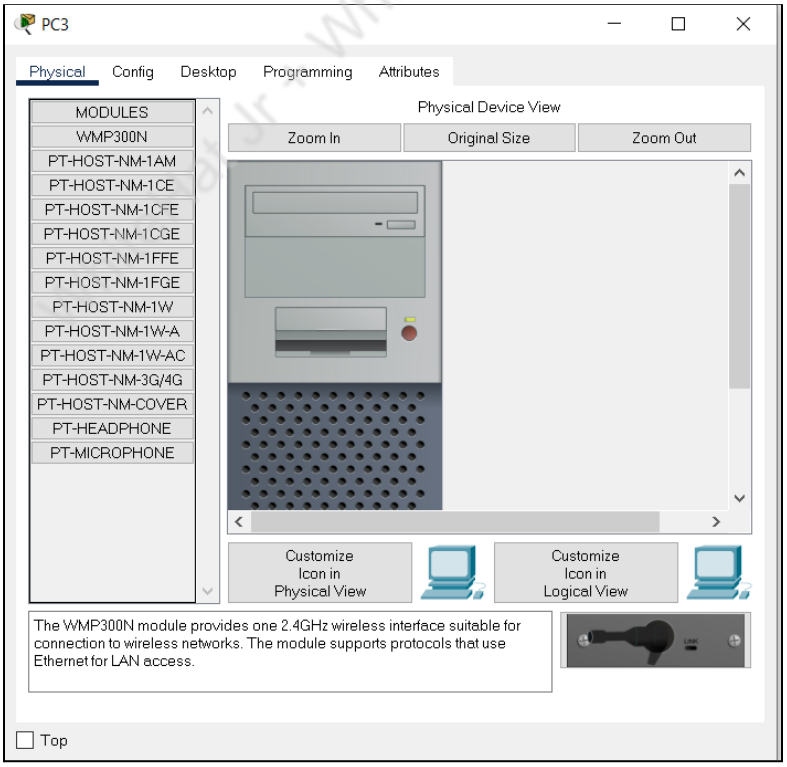
5. Then drag and drop the pc on the empty area of the software. Since we need 2 computers, we need to perform this twice.



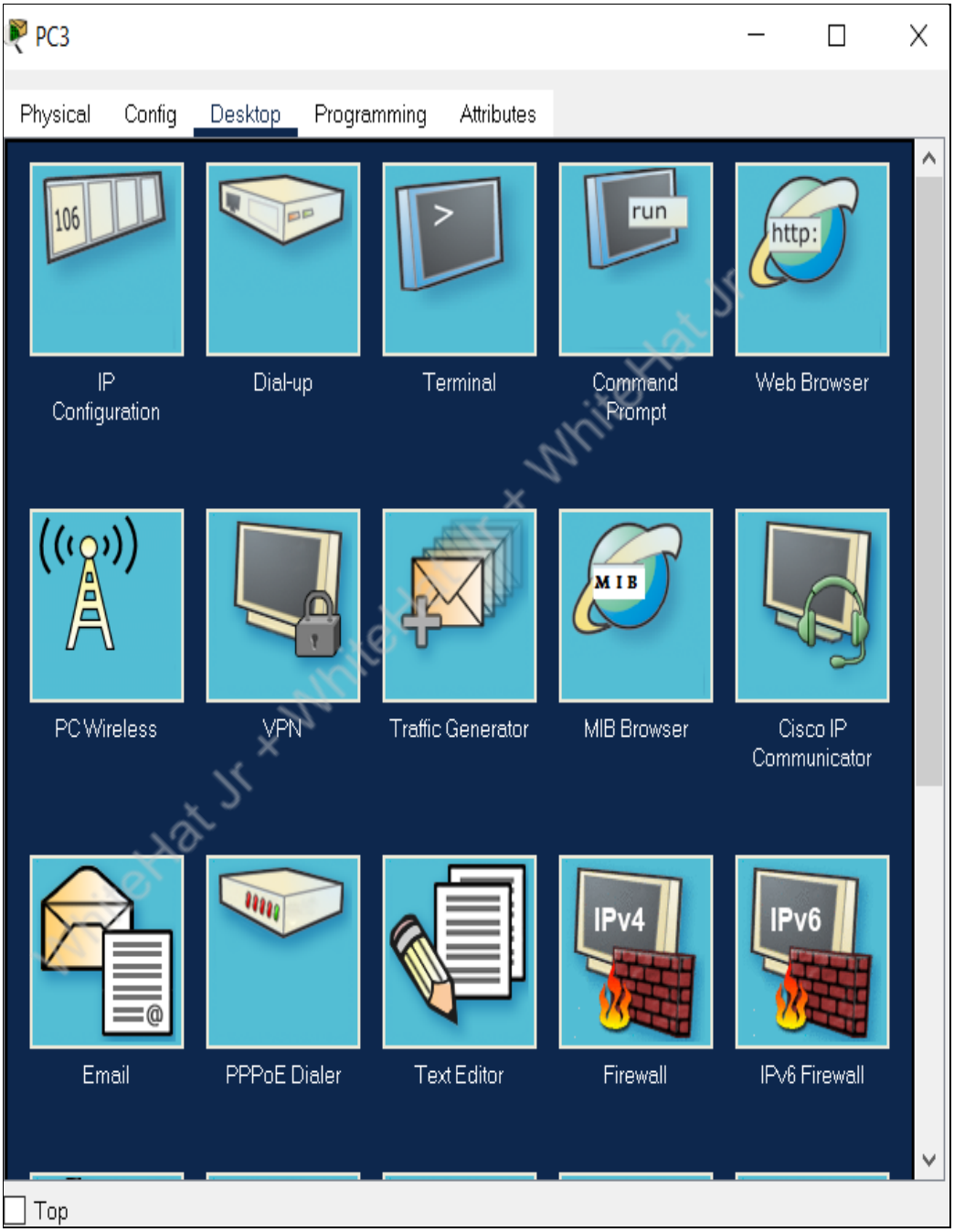
6. In the connections menu we have a spark logo which will automatically choose the correct cable according to the device. Select this option and click on the first pc after that click on the second PC.



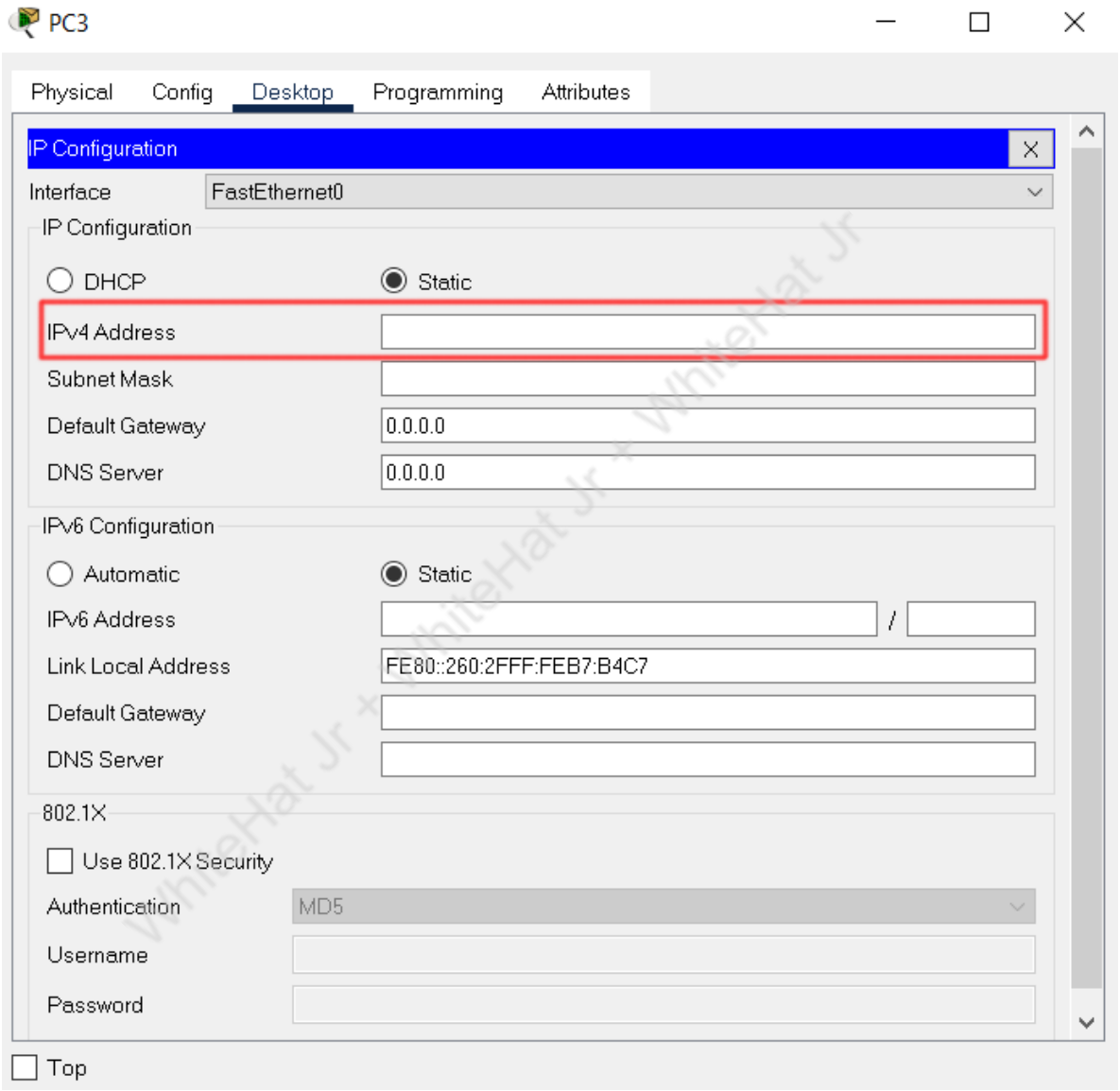
7. Double click on any computer and you can see a window open. This window shows the various options we have for the PC



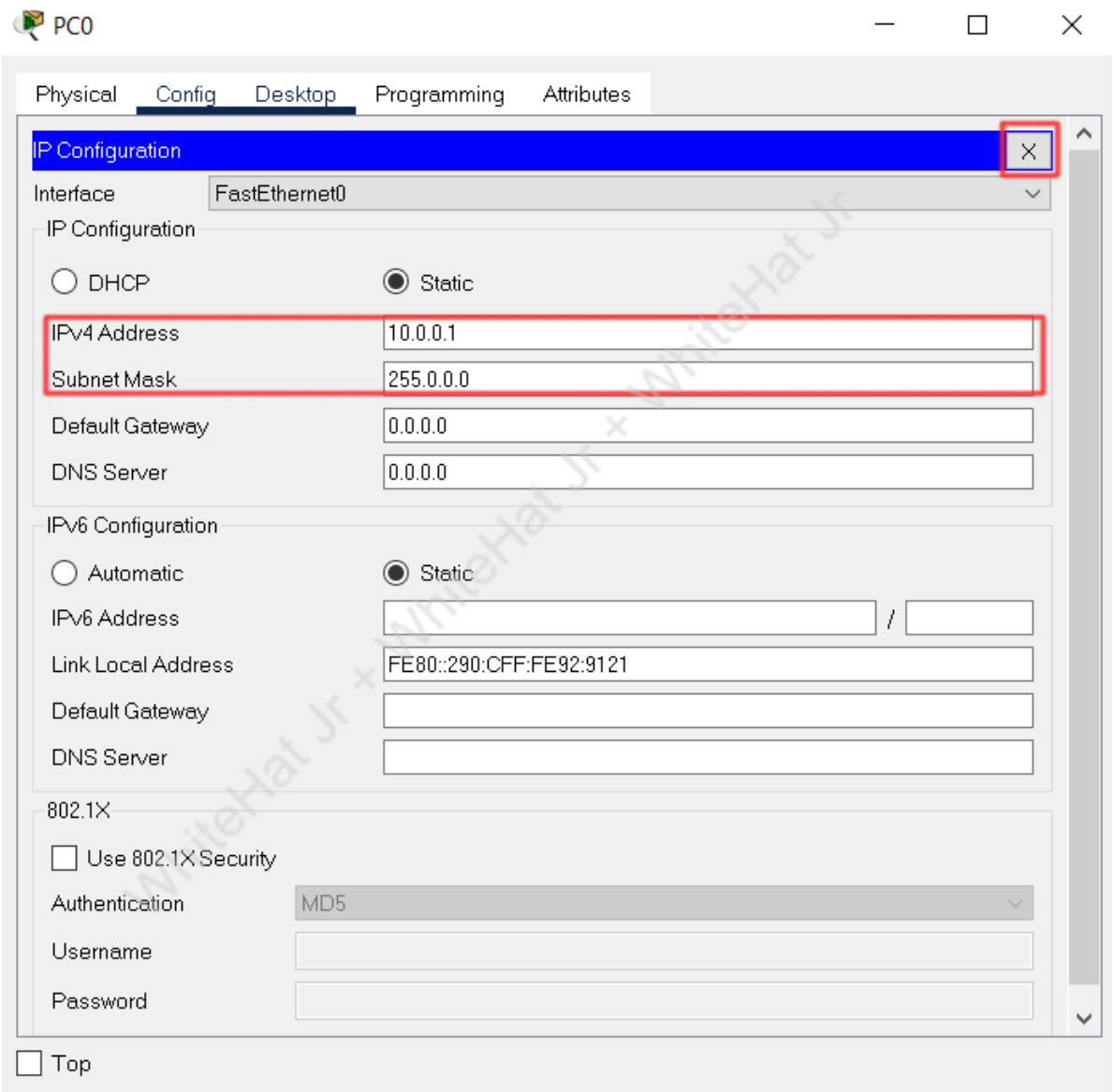
8. Select the desktop and this will show us various options.



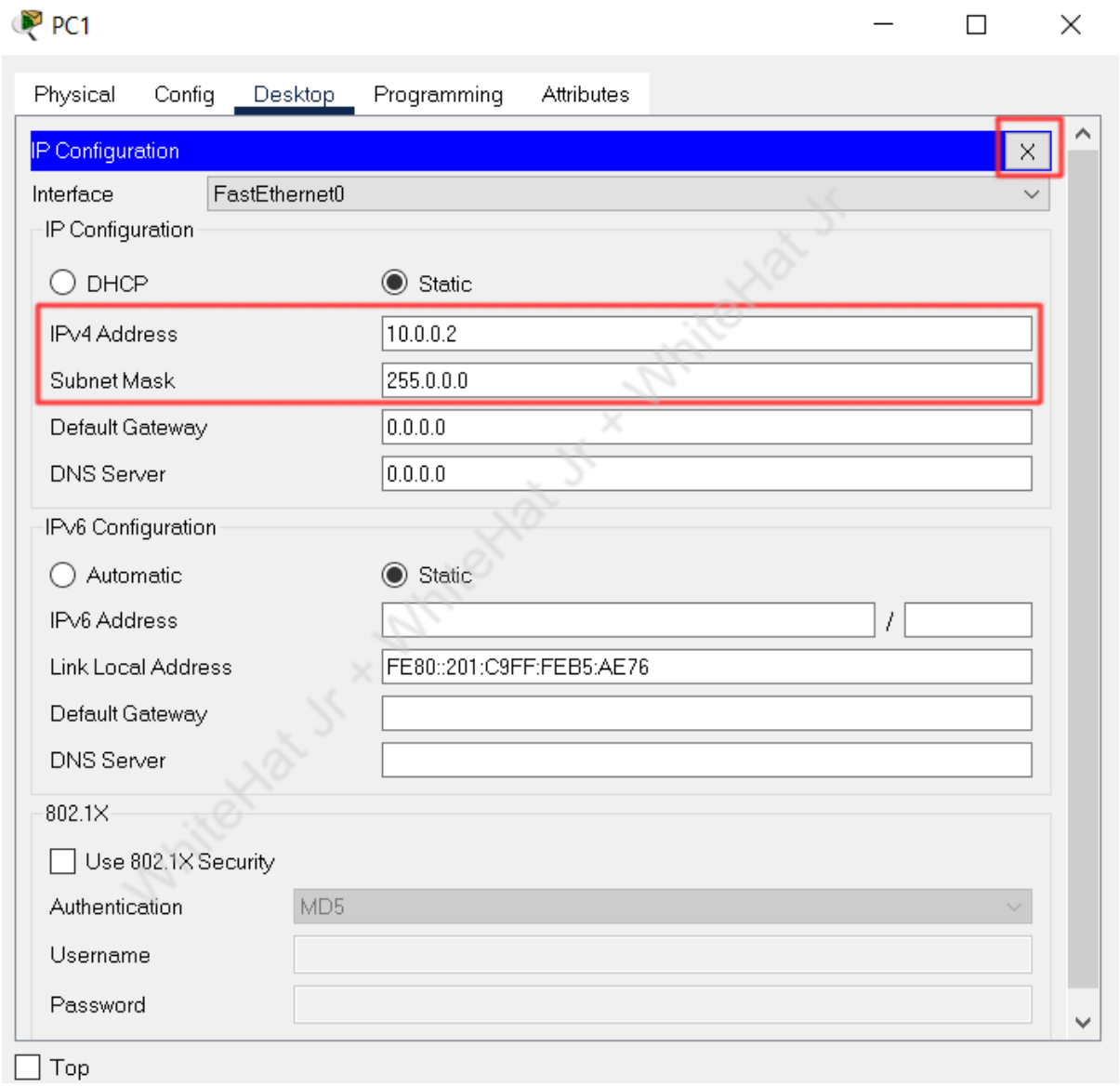
9. Set the IP address of the computer and click on the IP configuration option.This will open another tab where we can set the IP address for this computer.



10. In the tab ipv4 address we will write our IP address, we can assign the IP address of our choice. For this PC let's assign 10.0.0.1. Once we assign the IP address, this will automatically set the subnet mask as 255.0.0.0 and close the window.

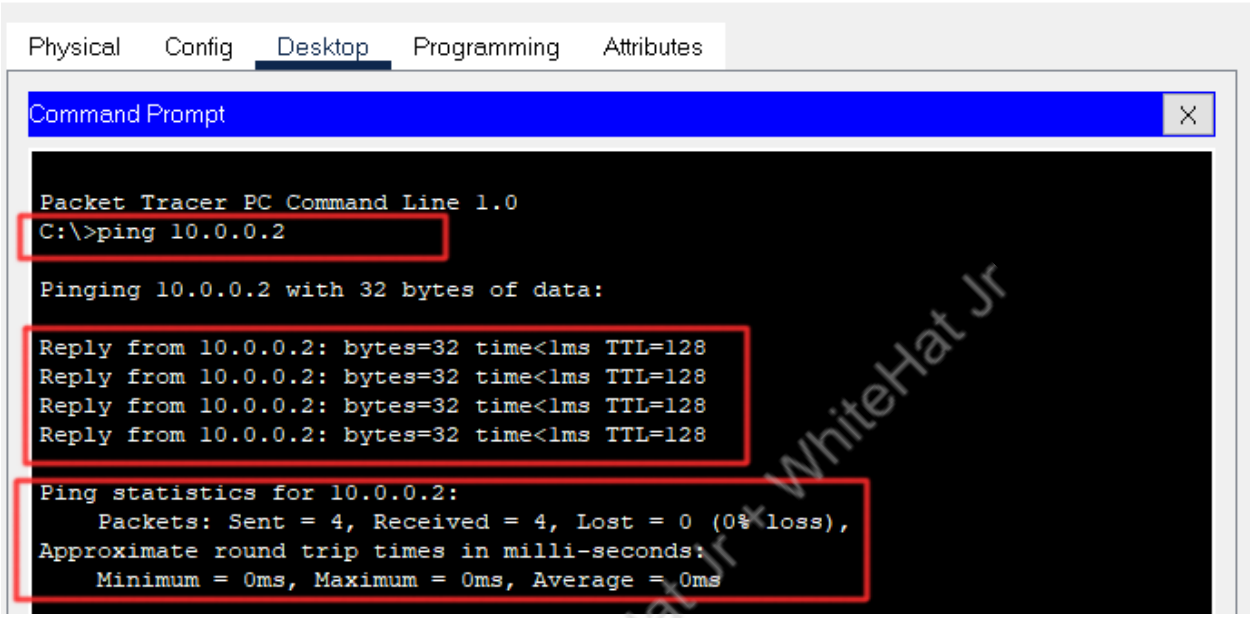


11. Repeat the same thing for the other computer, click on the computer and select the IP configuration option and set the IP as 10.0.0.2 and click on the cross button to close the window.



12. To test whether both computers can communicate with each other or not. Open the Command prompt of the computer and run a command.

13. Run our commands on the terminal. Write ping and then the ip address of the second computer. Such as ping 10.0.0.2



We have successfully established the connection between the two computers and tested the speed of the connection using ping.

What's NEXT?

In the next class, we will learn more about _____

EXTEND YOUR KNOWLEDGE

You can create an account in CPT using this link.