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1st CN LAB

What I Learnt Today in Lab?

→ Open the Cisco Packet Tracer App Student.
→ In the left bottom corner, from the end devices, select a generic node and a generic server.
→ Click on them, a dialog box appears.
→ Under the config tab (FastEthernet tab) set the IP address as 10.0.0.x, IP address should be unique for each device in a network. It is a 32-bit IP address. First 8 bits for network and the next 24 bits are for host.
→ Then click on subnet, it will be automatically set to some value, 255.0.0.0 in this case.
→ Rename the device if needed.
→ Then just ~~ext~~ close the dialog box, it will ~~be~~ automatically save the changes.
→ Then select a connection from the bottom left corner. It should be copper or copper cross over, the latter in this case.
→ Click on both devices and click FastEthernet. A connection is formed.
→ Red, green or amber color can be seen. If it is green, the connection is established.

→ Then click on the Packet symbol from right panel and click on the device to send packets.
→ In the bottom right corner, you can set mode to Simulation or real time.
→ In Simulation mode, you can add simple PDU and click on auto-capture. You can also click on back & forward to see each step.
→ Click on Help → Tutorials for explanation.
→ Alternatively C:\Program Files (x86)\Cisco Packet Tracer 6.2 v\help\default\index.
→ In the bottom panel you can also see that scenario is set to scenario 0.
→ Add PDU can be simple or complex.
→ The icon with a folder and a white file is complex.
→ The icon with just a folder is simple.

→ To connect 2 devices, go to the bottom left corner and select connections.
→ In this case, the connection to be made is between an end device and a server.
→ They both belong to the same layer.
→ Hence copper cross over can be used.
→ In other cases, when devices don't belong to same layer, such as hub and end devices / switch and end devices, we will have to use copper straight through.

TOPOLOGY: