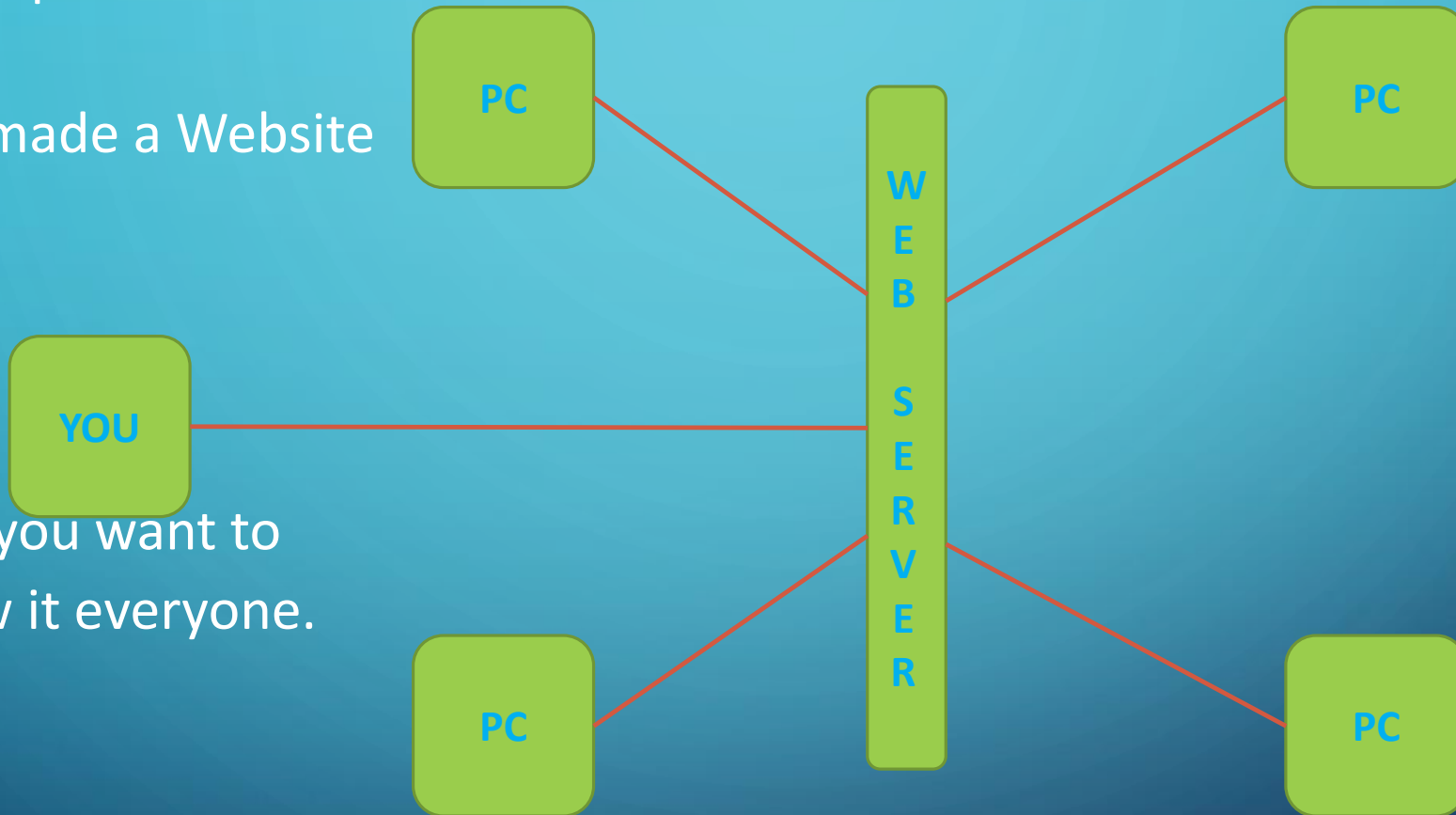


HOW THE INTERNET WORKS

- Concept : -

You made a Website

And you want to
Show it everyone.



HOW THE INTERNET WORKS

- Server?

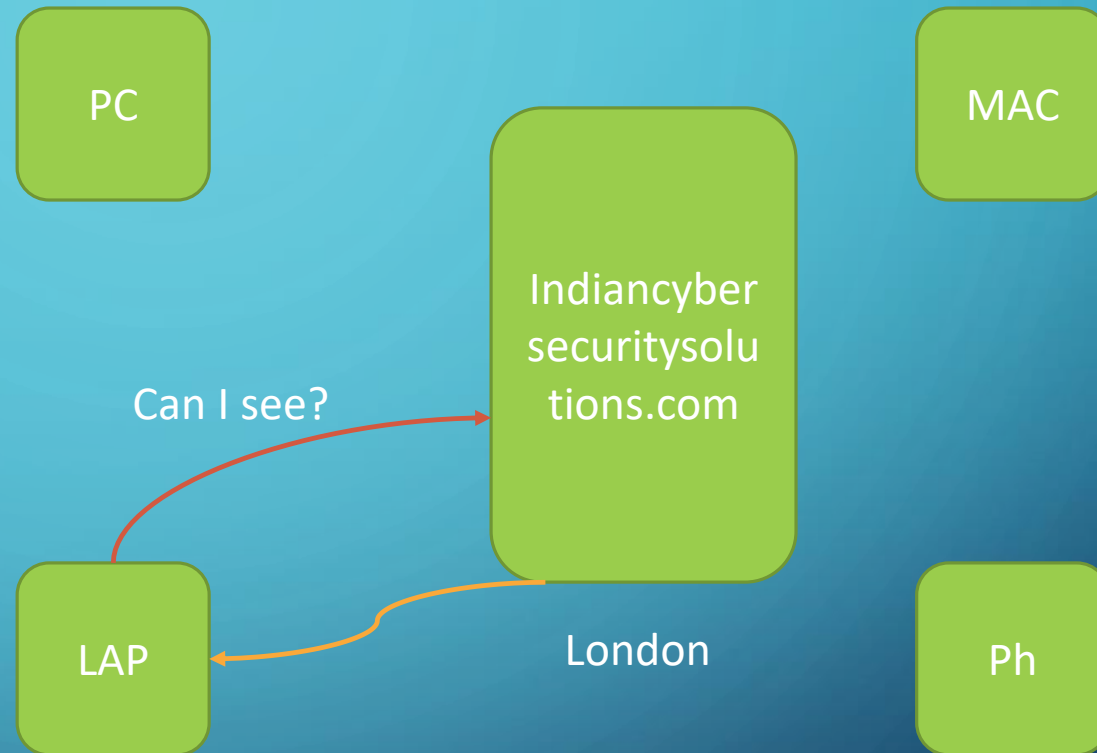
Everybody knows about google server. But we can also use a server in our home, hospital, school or a small business to share different kind of files. So, server is a special computer that many users can access.

- In internet the server will not be accessed by only a few people but a large number of people. And also there will be not only a single website on a server. These servers are called “Web Server”. Basically a web server has more memory and power.

- Amazon.com

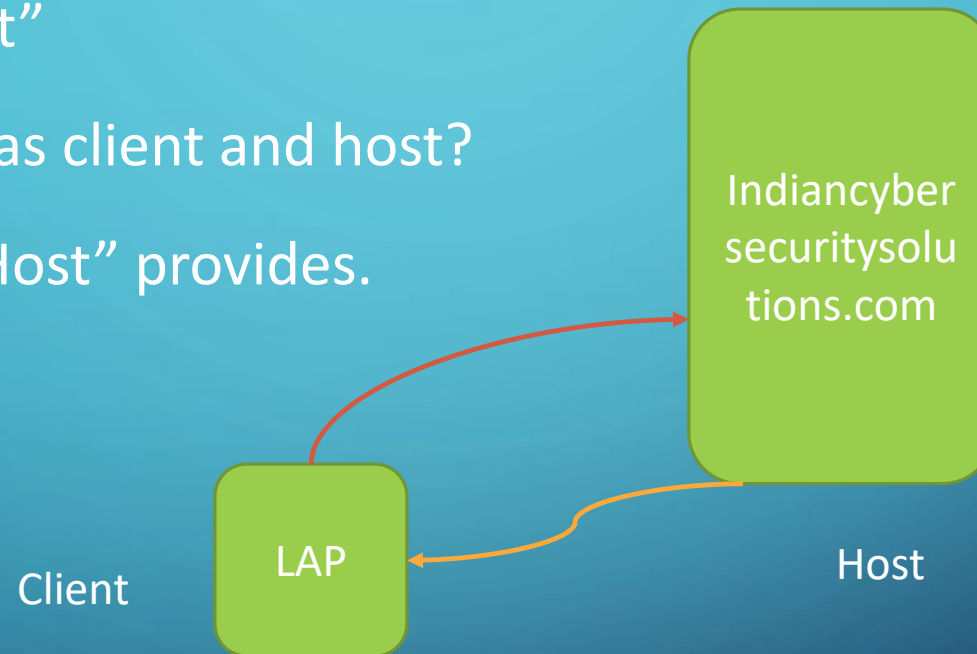
SERVERS

- This is a special computers that everyone in the world can Access.
- How it Works!!
- Simply server sends the files to our computer and our browser converts computer text to pictures, videos, plain text etc.



CLIENTS AND HOSTS

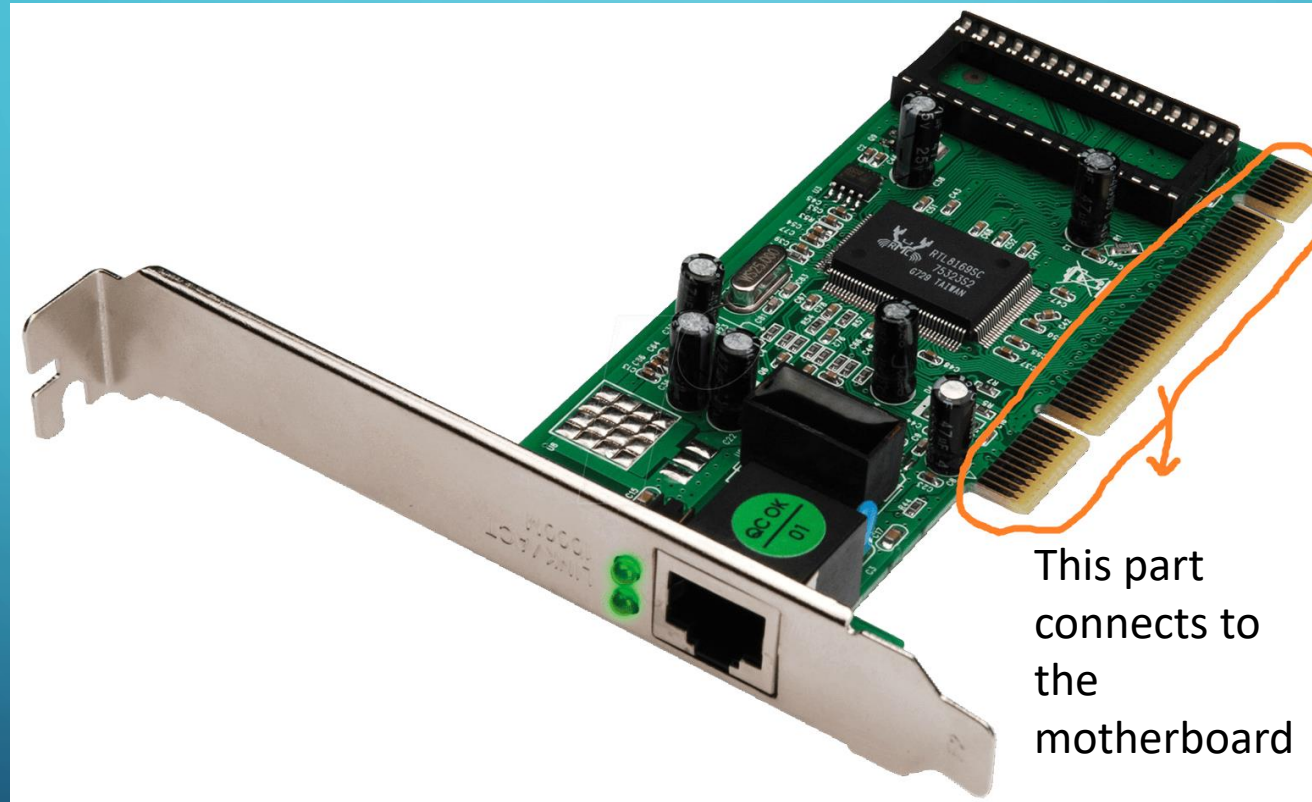
- When you are browsing any website using your browser on your Desktop, Laptop, MAC, phone etc. you are the “Client” and the website you are browsing is the “Host”
- Why they are called as client and host?
- “Client” takes and “Host” provides.



NIC (NETWORK INTERFACE CARD)

- What is NIC ?

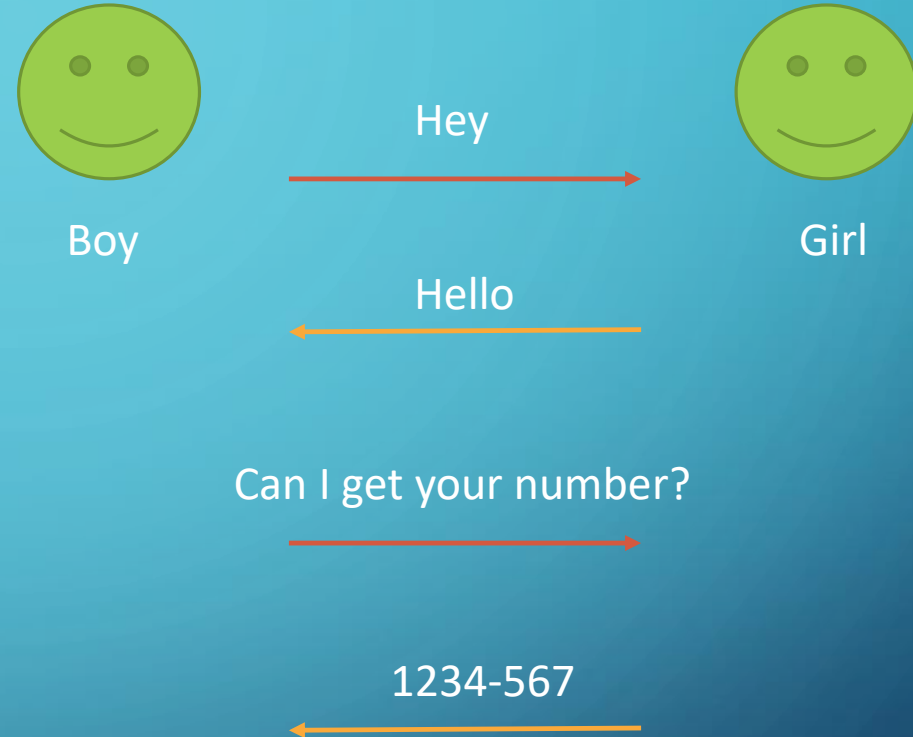
It's a part of your computer that allows you to connect to the internet.



This part
connects to
the
motherboard

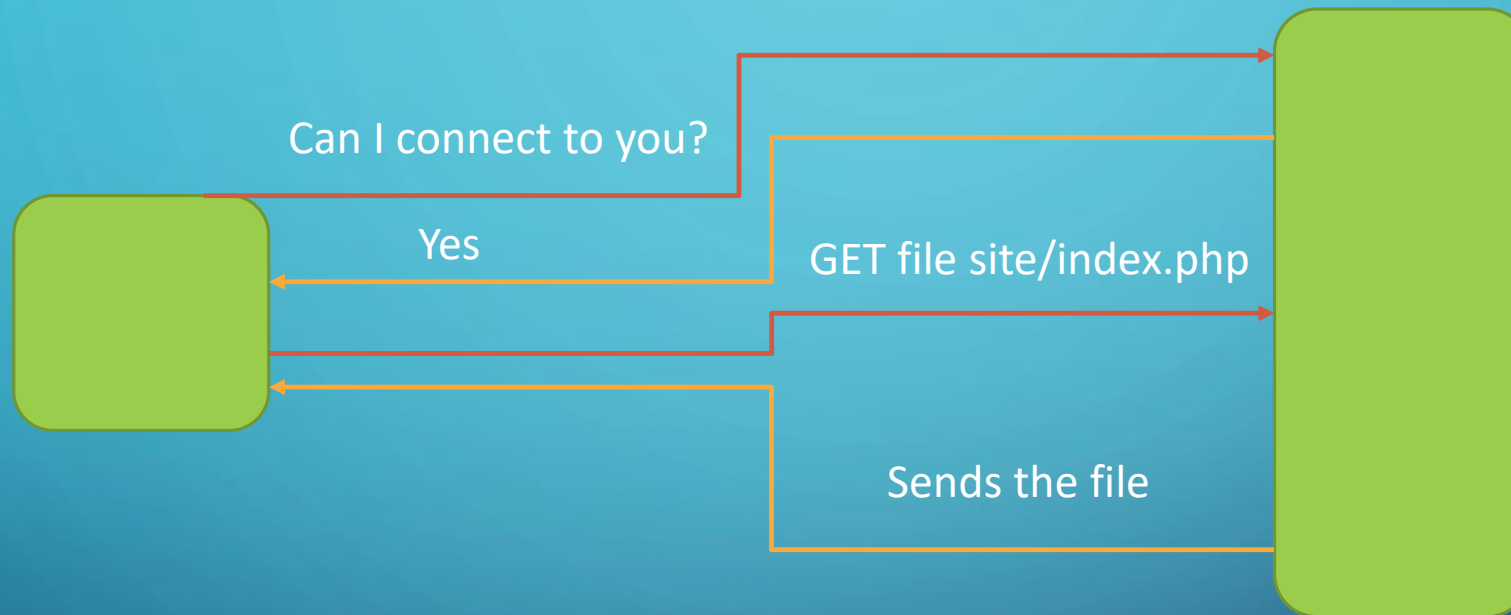
PROTOCOL

- What is “Protocol”?
- 1 person talks at a time.
- When a boy talks, a response from a girl is expected.
- Specific messages receives specific responses.



PROTOCOL

- How it works on computer network?



PROTOCOL

- Why the previous connection was successful?
- Because they know the set of rules (protocol) and followed them.
- In computer both the computer must follow the same protocol else you can not have a successful connection.
- Every “Protocol” has order and format.
- Final definition : - Basically a set of rules that every computer must follow in order to have a successful communication.

PROTOCOL

- We see that every page on internet consists this thing
<http://indiancybersecuritysolutions.com/tutorials/>
- Here, “http” is the protocol.
“[indiancybersecuritysolutions.com](http://indiancybersecuritysolutions.com/tutorials/)” is the server name.
and “/tutorials/” is the file.



END OF DAY 2

NETWORKING (CCNA TRAINING)

INDIAN CYBER SECURITY SOLUTIONS

[HTTP://INDIANCYBERSECURITYSOLUTIONS.COM](http://indiancybersecuritysolutions.com) (CONTACT - +919831165046)