- A website is like a collection of webpages and other items linked together. You basically design a website on your own for your purpose which can either contain a single webpage or a set of pages interconnected with links, images etc.
- To make this website accessible to everyone you need to put it on a server.
- When you type the url of a website the set of pages would be displayed from the corresponding server
 - Each website has a domain name tied to the IP address of a server on which the website is saved and can be accessed.
 - o IP addresses are manages by the domain name service or DNS for short.
 - So once we enter a URL our browser does a series of queries to locate the ip address of server and then the host server.
 - It then generates requests to have a copy of webpages which are then translated and displayed.

2. LOCAL SERVER

- > Python comes with built in http request handler and can host static websites.
 - Just open command prompt/terminal and enter the directory where your webpage is say "web.html".
 - Type in "cd /Dekstop/web".
 - o Now type in "python –m SimpleHTTPServer 8000".
 - o That's it we have our website hosted on local server on port 80.
 - Now just connect a device to the wifi and type the following address in the browser, http://localhost:8000.
 - You can also search http://" your ip address":8000.

3.

No, both the users must be on the same network on which the website is hosted on that is IITD wifi.

4.

- Apache and Nginx
 - A server, in general, is a remote computer that serves files to requesting clients. A web server, then, is the environment that a website runs in.
 - The most significant benefit to Apache is that it's free for both personal and commercial uses, so you don't have to ever worry about needing to pay for it.
 - Apache is also a reliable software framework and remains actively maintained, so it receives frequent feature upgrades, security patches, and vulnerability improvements.
 - Basically every time you type an url and press enter the web browser uses http server to get the webpages. As there are so many servers http is needed to maintain a uniform language.