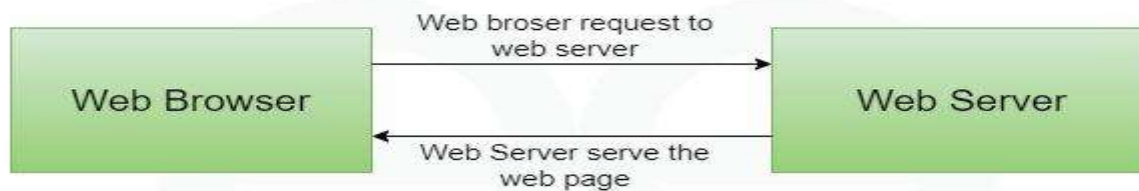- The **World Wide Web (WWW)** is a **system of interlinked hypertext documents and resources** that are accessed over the **Internet** using a **web browser**.
- It allows users to view and interact with **webpages** that may contain text, images, videos, and links to other pages.
- It was created to help people share and find information easily, using links that connect different pages together. The Web allows us to browse websites, watch videos, shop online, and connect with others around the world through our computers and phones.

Working of www

- **User enters a URL** in a browser (e.g., https://www.example.com).
- The **browser sends a DNS request** to find the IP address of the server.
- The **browser establishes a TCP connection** with the web server.
- The **browser sends an HTTP request** for a webpage.
- The **server processes the request** and sends back an **HTTP response** (usually an HTML file).
- The **browser renders the HTML** and displays the webpage.

- So, the **WWW is an application layer service** that uses **HTTP/HTTPS protocols** for communication between clients and servers.

Web broser request to web server

Web Browser → Web Server

Web Server serve the web page

World Wide Web

Why WWW is in the Application Layer

- The **Application Layer** provides services directly to the **end users**.
  The WWW is an example because:

- It uses **application-level protocols** (HTTP/HTTPS).

- It involves **direct interaction with users** (through browsers).

- It enables **information exchange** over the Internet in human-readable form.

World Wide Web (WWW) Vs Internet

Aspect	World Wide Web	Internet
What It Is	A collection of webpages and websites you access with a browser.	A global network connecting computers.
Started	1989 by Tim Berners-Lee	1960s
Purpose	To share and explore information like text, images, and videos.	To connect devices and share data.
How You Use It	Through browsers like Chrome or Firefox.	Through any connected device for email, apps, etc.
Example	Visiting a website like Wikipedia.	Sending an email or streaming a video.

Advantages of www

- Easy Access to Information
- Speed and Convenience
- Global Communication
- Educational Benefits
- Business and Commerce
- Cost Efficiency

Disadvantages of WWW

- Technical Issues
- Lack of Personal Interaction
- Privacy and Security Issues
- Spread of Misinformation
- Time Wastage and Addiction