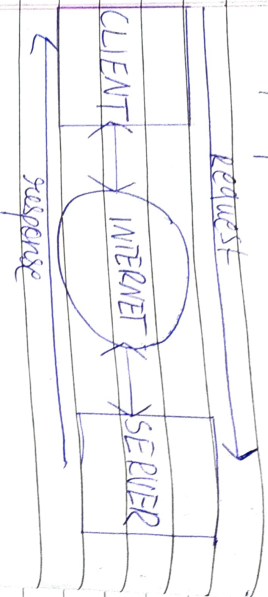


# ASSIGNMENT - 9/2/26

Draw and explain the client-server architecture and trace what happens when you open a website.



- The user types a URL (such as google.com) into the browser.
- The browser first checks DNS (domain name system) to find the IP address of the website.
- Once the IP address is found, the browser sends a HTTP request to the server through the internet.
- The server receives the request and processes it.
- The server communicates with a database to fetch required data.
- The server sends back a HTTP response containing HTML, CSS, and JavaScript.
- The browser receives this response and renders the webpage on the screen.
- If the page has JavaScript, it may make additional requests to the server dynamically. (API requests)