

## Part 1 Documentation

1. This PHP script retrieves the current date and time in the format using the `date()` function and then echoes it along with the text "Server Date and Time:".
2. This PHP script checks if the user has visited the page before by checking if the timestamp of the first visit is stored in the session. If it's not set, it sets the timestamp of the first visit and displays a welcome message. If the first visit timestamp is set, it calculates the elapsed time since the first visit and displays it.
3. This PHP script starts a session and checks if the session variable "first\_visit" is set. If it's not set, it means it's the user's first visit to the page. In that case, it sets the "first\_visit" session variable to the current timestamp using the `time()` function and displays a welcome message.

If the "first\_visit" session variable is set, it means the user has visited the page before. In that case, it calculates the elapsed time since the first visit by subtracting the stored timestamp from the current timestamp. Then, it outputs the elapsed time in seconds.

4. This PHP script handles both GET and POST requests for receiving username and age parameters. It starts by sanitizing the input using a `sanitize_input` function defined at the beginning. Then, it checks if the parameters are provided either through the URL for GET requests or through a form submission for POST requests.  
If the parameters are provided, it sanitizes and stores them in session variables. Finally, it displays a confirmation message.

5. A unique session ID is generated. Session data is stored on the server. Developers can set session variables using the `$_SESSION` global array. In order to retrieve session data, the session ID is retrieved and thus allows the retrieval of data. After 24 minutes, sessions expire, PHP automatically cleans up expired sessions.  
PHP differentiates between different user sessions using session IDs. PHP checks the session ID sent by user to identify the corresponding session data.

This PHP script starts a session and then checks if session variables for "username" and "age" are set. If they are set, it retrieves their values and outputs them. Otherwise, it displays a message indicating that the session variables are not set.