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***Experiment 10***

**Title:** Program on session management using PHP.

This code demonstrates session management using PHP, where user input is captured through a form, stored in session variables, and displayed across different pages.

**Features Implemented:**

1. **Session Initialization**:
   * PHP session\_start() is used at the beginning of each PHP file to initiate the session management, allowing data to be stored and retrieved across different pages.
2. **Form Creation and Submission**:
   * A form is created for users to input their username and email. This form uses the POST method to submit the data to set\_session.php.
3. **Session Data Handling**:
   * Upon form submission, set\_session.php captures and stores the sanitized username and email into session variables.
   * After storing the data, the user is redirected to get\_session.php to display the session data.
4. **Displaying Session Variables**:
   * The get\_session.php page checks if the session variables are set, and if so, displays the stored username and email. If no session variables are found, it directs the user back to the form.
5. **Session Logout and Destruction**:
   * The user can log out, which triggers end\_session.php to unset all session variables and destroy the session, effectively logging out the user.
6. **Security Measures**:
   * User inputs are sanitized using htmlspecialchars() and trim() to prevent security issues like XSS (Cross-Site Scripting).

**Output:**

* On successful form submission, the user’s session data (username and email) is displayed. On logout, the session is destroyed, and a message indicates the user has been logged out.

 