

Experiment 9

9. Program on PHP form creation and data handling.

1. **Variable Initialization:**
 - a. Initializes two variables: \$error and \$success to store error and success messages.
2. **Form Submission Check:**
 - a. Checks if the request method is POST (i.e., the form has been submitted).
3. **Input Filtering:**
 - a. Uses filter_input() to sanitize user inputs from the form:
 - i. name: sanitized as a string.
 - ii. email: sanitized as an email.
 - iii. message: sanitized as a string.
4. **Validation:**
 - a. Checks for empty fields; if any are empty, sets an error message.
 - b. Validates the email format; if invalid, sets an error message.
 - c. If all validations pass, sets a success message.
5. **HTML Structure:**
 - a. Begins the HTML document with <!DOCTYPE html> and includes the necessary <head> and <body> sections.
 - b. Adds a <style> section for basic styling of error, success messages, and form layout.
6. **Form Creation:**
 - a. Creates a form with the method set to POST, and the action pointing to the same script (using htmlspecialchars(\$_SERVER["PHP_SELF"])) for security).
 - b. Displays error and success messages conditionally based on the form submission.
7. **Input Fields:**
 - a. Creates input fields for name, email, and message.
 - b. Retains submitted values in input fields using htmlspecialchars() to prevent XSS.
8. **Data Display:**
 - a. If the form has been submitted successfully, displays the submitted data (name, email, and message) below the form.
9. **Form Submission Button:**
 - a. Includes a submit button to send the form data.

This code provides a simple contact form with input validation, sanitization, and feedback to the user on submission.

Output:

The screenshot shows a web browser window with the address bar displaying `localhost/Assignments/assignment9/`. The browser has several tabs open: "Google Classroom - Login", "List of Experiments", "ChatGPT", "Experiment 8", "Experiment 9", and "Contact Form". The "Contact Form" tab is active. The form contains three input fields: "Name:", "Email:", and "Message:". Below the "Message:" field is a "Submit" button. The browser's status bar at the bottom shows the system tray with a search bar, various application icons, and system information including the temperature (72°F), weather (Cloudy), language (ENG IN), and date/time (18:53, 24-10-2024).

Name:

Email:

Message: