

Experiment 10

10. Program on session management using PHP.

- **Session Initialization:**
 - Starts a new session or resumes the existing session using `session_start()`.
- **SessionManager Class:**
 - Defines a class `SessionManager` that handles user session management.
- **Login Method:**
 - The `login()` method:
 - Accepts a username and user role.
 - Sets session variables to indicate the user is logged in and stores their details (username, role, and login time).
- **Check Login Status:**
 - The `isLoggedIn()` method checks if the user is logged in by verifying the `logged_in` session variable.
- **Get Current User Information:**
 - The `getCurrentUser()` method retrieves the current user's details if they are logged in, returning an array with the username, role, and formatted login time.
- **Logout Method:**
 - The `logout()` method:
 - Clears the session array.
 - Deletes the session cookie if it exists.
 - Destroys the session.
- **Regenerate Session:**
 - The `regenerateSession()` method calls `session_regenerate_id(true)` to regenerate the session ID, improving security.
- **Session Management Usage:**
 - An instance of `SessionManager` is created.
 - Checks if the user is logged in; if not, it logs in a user with a preset username and role ('john_doe', 'admin') and outputs a success message.
- **Display User Information:**
 - If the user is logged in, it retrieves and displays the current user's information (username, role, and login time).

Output:

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Current user information: Username: john_doe Role: admin Login Time: 2024-10-24 15:24:24

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