

Experiment 11

11. Program on cookies management using PHP.

Steps:

- **CookieManager Class:**
 - Defines a CookieManager class for managing cookies.
 - Has a private property `$defaultExpiry` set to 30 days (in seconds).
- **Set Cookie Method:**
 - The `setCookie($name, $value, $expiry)` method:
 - Sets a cookie with the specified name and value.
 - Uses a default expiry time if none is provided.
 - Configured to be secure (HTTPS only) and inaccessible via JavaScript (`HttpOnly`).
- **Get Cookie Method:**
 - The `getCookie($name)` method retrieves the value of a cookie if it exists; returns `null` otherwise.
- **Check Cookie Existence:**
 - The `hasCookie($name)` method checks if a cookie with the specified name exists.
- **Delete Cookie Method:**
 - The `deleteCookie($name)` method:
 - Deletes a cookie by setting its expiry to a past time if it exists.
 - Returns `true` if the cookie was deleted, `false` otherwise.
- **Set User Preferences:**
 - The `setUserPreferences($theme, $language)` method:
 - Stores user preferences (theme and language) as a JSON-encoded string in a cookie called `user_preferences`.
- **Get User Preferences:**
 - The `getUserPreferences()` method retrieves and decodes the `user_preferences` cookie; returns an associative array of preferences or `null` if not set.
- **Cookie Management Usage:**
 - An instance of `CookieManager` is created.
 - Sets a cookie for the username (`'john_doe'`) and user preferences (theme: `'dark'`, language: `'en'`).
- **Output Cookie Values:**
 - After a brief pause (`sleep(1)`), it displays a demo message.

- Checks if the username cookie exists and outputs its value.
- Retrieves user preferences and displays the theme, language, and last updated timestamp if available.

Output:

