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Cookies & Session

Cookies

Cookies are small files stored on the client-side, used to remember user information across sessions.

- **Syntax:** `setcookie(name, value, expire, path, domain, secure, httponly)`

- **Example**:

```php
setcookie("style", "dark", time() + 60 * 60 * 24 * 30); //
Sets a "dark" style preference for 30 days
```

- **Working with Arrays**:

```php
setcookie("style[color]", "red");
setcookie("style[font]", "Tahoma");
echo $_COOKIE["style"]["font"]; // Access the "font" value
```

- **Background Color Example**:

```php
if ($_SERVER["REQUEST_METHOD"] == "POST") {
    setcookie("background", $_POST["bg-color"], strtotime
("+1 year"));
    header("Location: " . $_SERVER["REQUEST_URI"]); // Ref
resh to apply the new color
}


html
Copy code
```

```
<form method="POST">
  <input type="color" name="bg-color">
  <input type="submit" value="Choose Color">
</form>
```

Sessions

Sessions store data on the server to track the user state across pages, using a unique session ID.

- **Syntax**: `session_start()`
- **Example**:

```
session_start();
$_SESSION['name'] = "Ahmed"; // Store a user name in the s
ession
```

- **Views Count**:

```
isset($_SESSION['views']) ? $_SESSION['views']++ : $_SESSI
ON['views'] = 1;
echo "Views Count: " . $_SESSION['views'];
```

- **Login Simulation**:

```
if ($_SERVER["REQUEST_METHOD"] === "POST" && $_POST['use
r'] === "Osama") {
    $_SESSION['username'] = "Elzero";
}
```

Headers

Headers send raw HTTP instructions before output to the client, often to control page caching or redirection.

- **Syntax**: `header("Header Info")`

- **Example**:

```
header("Location: test.php"); // Redirect to test.php
exit;
```

Logout Simulation

For logging out, clear session data:

```
session_unset();
session_destroy();
```