**Explanation for the keywords and methods**

1. **isset**

* **Purpose**: Checks if a variable is set and is not NULL.
* **Usage**: Often used to check if form data has been submitted or if a variable exists.
* **Example**:

**PHP**

if (isset($\_POST['cookie-consent'])) {

// Code to execute if 'cookie-consent' is set

}

1. **setcookie**

* **Purpose**: Sets a cookie in the user’s browser.
* **Parameters**:
  + name: The name of the cookie.
  + value: The value of the cookie.
  + expire: The time the cookie expires (in seconds since the Unix epoch).
  + path: The path on the server where the cookie is available.
* **Example**:

**PHP**

setcookie('cookie-consent', '1', time() + (30 \* 24 \* 60 \* 60), '/');

1. **$\_SERVER**[**'REQUEST\_URI'**]

* **Purpose**: Contains the URI (Uniform Resource Identifier) which was given in order to access the current page.
* **Usage**: Often used to get the full URL of the current page, including the query string.

**Example**:

**PHP**

$currentURL = **$\_SERVER['REQUEST\_URI'];**

echo $currentURL;

**Explanation**

* $\_SERVER: A superglobal array in PHP that contains information about headers, paths, and script locations.
* 'REQUEST\_URI': A key in the $\_SERVER array that holds the URI which was used to access the page. This includes the path and the query string (if any).

**Practical Use**

* **Redirection**: Often used to redirect the user back to the same page after a form submission.
* **Example**

**PHP**

header("Location: " . $\_SERVER['REQUEST\_URI']);

1. **header**

* **Purpose**: Sends a raw HTTP header to the browser.
* **Usage**: Commonly used for redirection.
* **Example**:

**PHP**

header("Location: " . $\_SERVER['REQUEST\_URI']);

1. **ob\_start and ob\_get\_clean**

* **Purpose**: Output buffering functions.
  + ob\_start(): Starts output buffering.
  + ob\_get\_clean(): Gets the current buffer contents and deletes the buffer.
* **Usage**: Used to capture output and return it as a string.
* **Example**:

**PHP**

ob\_start();

// Output HTML or other content

return ob\_get\_clean();

1. **$\_COOKIE**

* **Purpose**: An associative array of variables passed to the current script via HTTP cookies.
* **Usage**: Used to access cookie values.
* **Example**:

**PHP**

if (!isset($\_COOKIE['cookie-consent'])) {

$showConsentBanner = true;

}

1. **$\_POST**

* **Purpose**: An associative array of variables passed to the current script via the HTTP POST method.
* **Usage**: Used to access form data submitted via POST.
* **Example**:

**PHP**

if (isset($\_POST['cookie-consent'])) {

// Handle form submission

}

1. **$\_SERVER**

* **Purpose**: An array containing information such as headers, paths, and script locations.
* **Usage**: Used to get information about the server and execution environment.
* **Example**:

**PHP**

header("Location: " . $\_SERVER['REQUEST\_URI']);

1. **htmlspecialchars**

* **Purpose**: Converts special characters to HTML entities.
* **Usage**: Used to prevent XSS (Cross-Site Scripting) attacks.
* **Example**:

**PHP**

$name = htmlspecialchars($\_POST['fname']);

1. **empty**

* **Purpose**: Checks whether a variable is empty.
* **Usage**: Used to check if a variable has no value.
* **Example**:

**PHP**

if (empty($name)) {

echo "Name is empty";

}