

🧠 What is a Session?

A **session** in PHP allows you to store data (like user info, cart items, etc.) across multiple pages for a single user. It's stored on the server and maintained using a unique session ID.

✅ 1. Start a Session

Before working with any session data, always start the session using:

```
session_start(); // Required at the top of every file using sessions
```

💡 **Best Practice:** Always call `session_start()` **before any output (HTML/tags/echo).**

🟢 2. Create/Set a Session

```
session_start(); // Start session

// Set session variables
$_SESSION['username'] = "sobuj";
$_SESSION['email'] = "sobuj@example.com";

echo "Session created!";
```

📖 3. Read/Get a Session

```
session_start();

if (isset($_SESSION['username'])) {
    echo "Logged in as: " . $_SESSION['username'];
} else {
    echo "No session data found.";
}
```

❌ 4. Delete a Session

A. Delete a specific session variable

```
session_start();  
unset($_SESSION['username']); // Removes just 'username'
```

B. Delete all session variables

```
session_start();  
session_unset(); // Clears all session variables
```

C. Destroy the entire session

```
session_start();  
session_destroy(); // Ends the session and deletes session data  
  
// Optionally unset cookies  
if (ini_get("session.use_cookies")) {  
    setcookie(session_name(), '', time() - 3600, '/');  
}
```

🔒 Use `session_destroy()` when the user logs out or when you want to reset everything.

📦 Summary Table

Action	Function	Description
Start	<code>session_start()</code>	Starts or resumes a session
Set	<code>\$_SESSION['key'] = value</code>	Stores session data
Get	<code>\$_SESSION['key']</code>	Retrieves session data
Unset One	<code>unset(\$_SESSION['key'])</code>	Deletes one session variable
Unset All	<code>session_unset()</code>	Clears all session variables
Destroy	<code>session_destroy()</code>	Destroys entire session

Real-World Example: Logout

```
session_start();  
session_unset();  
session_destroy();  
header("Location: login.php");  
exit();
```
