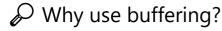
2025-07-01 cours.md



# Understanding the Output Buffer in PHP

The **output buffer** in PHP is a mechanism that allows capturing the HTML or text content generated by a script before it is sent to the browser.



- Separate content from display (useful for templates or rendering engines)
- Modify the HTML content before displaying it
- Dynamically assemble multiple content blocks
- Prevent premature output (especially for HTTP redirections)

### Main Functions

PHP Function	Description
ob_start()	Starts the buffer
ob_get_clean()	Gets the buffer content and clears it
ob_get_contents()	Gets the buffer content without clearing
ob_end_clean()	Clears the buffer without displaying
ob_flush()	Manually sends buffer content to browser

## Basic Example

```
ob start(); // Start buffering
echo "Hello";
echo " world!";
$content = ob_get_clean(); // Capture generated output
echo strtoupper($content); // Displays: HELLO WORLD!
```

#### Example in a Template System

File: template.php

```
$title = "Home";
ob_start();
require 'page.php';
$content = ob_get_clean();
require 'layout.php';
```

cours.md 2025-07-01

#### File: layout.php

## Educational Advantages

- Helps understand how template engines work
- Approach close to modern PHP frameworks
- Makes code modular and readable

### ∧ Note

- Buffering is **active by default** in some contexts (e.g., CMS or frameworks).
- It may interfere with HTTP headers (header()) if not cleared properly.