

# Programming PHP

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# PHP Topics

General Discussions

Re-cap of the previous lesson

PHP Security

Practice / Classroom coding

PHP Cookies and Session

Practice / Classroom coding

Working with Files

# PHP Security

**Cross-site scripting (XSS) is a type of computer security vulnerability typically found in Web applications. XSS enables attackers to inject client-side script into Web pages viewed by other users.**

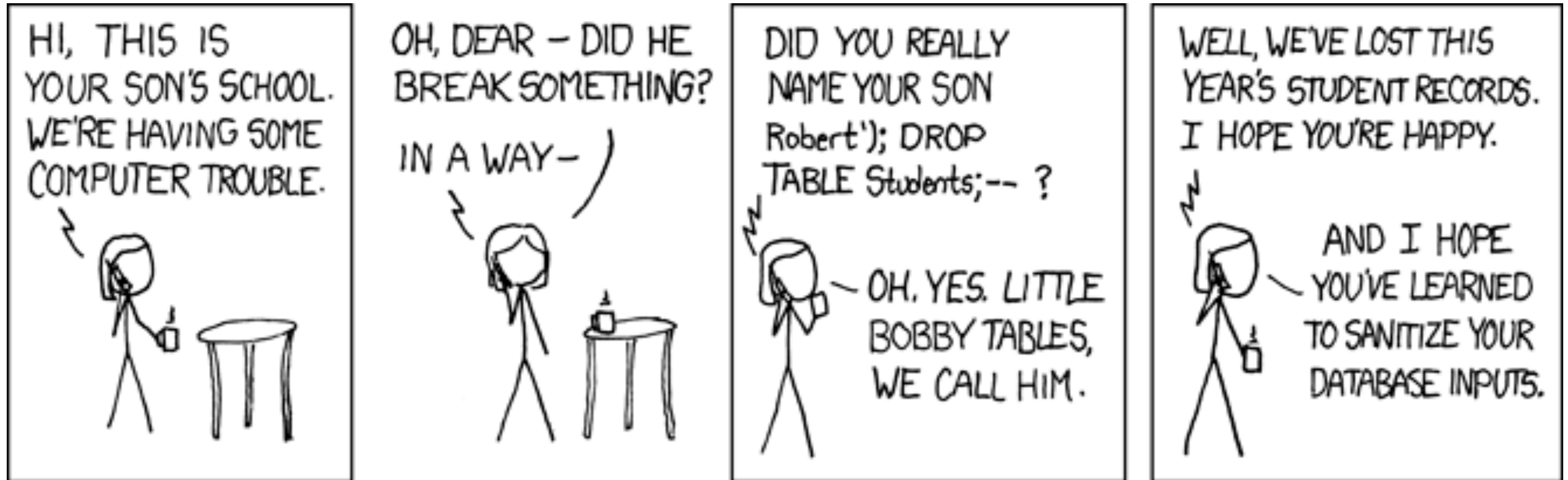
*/%22%3E%3Cscript%3Ealert('hacked')%3C/script%3E*

*<script>alert('hacked')</script>* and that code will also add script tag and alert command.

Be aware of that **any JavaScript code can be added inside the <script> tag!**

A hacker can redirect the user to a file on another server, and that file can hold malicious code that can alter the global variables or submit the form to another address to save the user data, for example.

# PHP Security



# Practice / Classroom Coding

- **PHP\_practice01/08.php:**
  - Make a variable with some text as a value
  - Use crypt() function to encrypt it
  - Assigning crypt result to a variable
  - Echo the variable

# PHP Cookies and Sessions

## What is a Cookie?

A cookie is often used to identify a user. A cookie is a small file that the server embeds on the user's computer. Each time the same computer requests a page with a browser, it will send the cookie too. With PHP, you can both create and retrieve cookie values.

## Create Cookies With PHP

A cookie is created with the `setcookie()` function.

### Syntax

```
setcookie(name, value, expire, path, domain, secure, httponly);
```

Only the *name* parameter is required. All other parameters are optional.

**Note:** The `setcookie()` function must appear BEFORE the `<html>` tag.

# PHP Sessions

A session is a way to store information (in variables) to be used across multiple pages.

```
<?php
// Start the session
session_start();
?>
<!DOCTYPE html>
<html>
<body>

<?php
// Set session variables
$_SESSION["favcolor"] = "green";
$_SESSION["favanimal"] = "cat";
echo "Session variables are set.";
?>

</body>
</html>
```

The `session_start()` function must be the very first thing in your document. Before any HTML tags.

# Practice / Classroom Coding

- **PHP\_practice01/09.php:**

- Create a link saying Click here and set link href to pass some params
- Set a cookie that expires in one week
- Start a session and set it to a value, any value you want

- **PHP\_practice07/section\_b/c09/cookies.php**

- Write a PHP code to set a cookie and access the cookie



# Practice / Classroom Coding

## **- PHP\_practice07/section\_b/c09/cookies-preferences.php**

- Create a link saying Click here and set link href to pass some params
- Set a cookie that expires in one week
- Start a session and set it to a value, any value you want

## **- PHP\_practice07/section\_b/c09/home.php**

- Open this in the browser and visualize
- Read the code and try to log in and logout
- Also, check the menu links

# Working with Files

Opening files

Writing to files

Reading files

Deleting files

# Chapter Summary

- Cookies store data in a visitor's browser.
- Data stored in a cookie is made available to the PHP page via the `$_COOKIE` superglobal array.
- You can set when cookies should expire.
- Session store data on the server.
- Session data is accessed and updated using the `$_SESSION` superglobal array.
- Each page of a site that uses a session should begin by calling the `session_start()` function.
- Session files hold data during a single visit to the site (and are deleted after a period of inactivity).