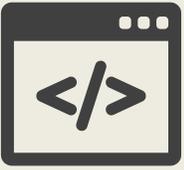


Web programming Introduction



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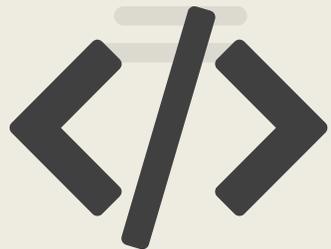
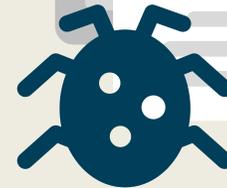
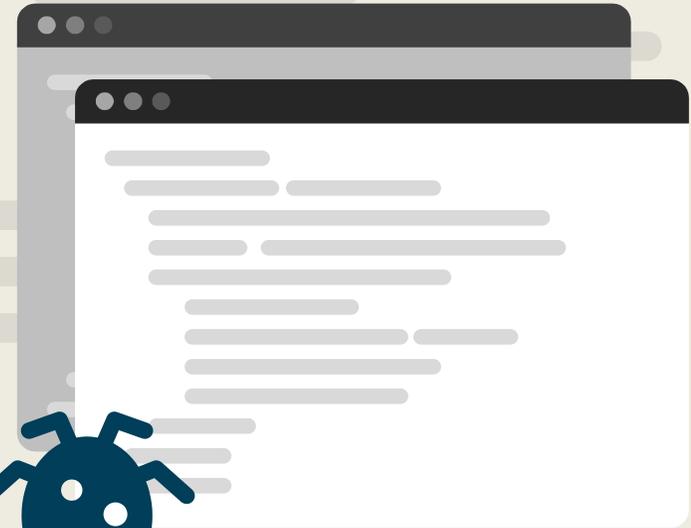
■ What You Should Already Know?

you should have a basic understanding of the following:

HTML



CSS



■ What Is PHP?



Definition:

- PHP stands for "PHP: Hypertext Preprocessor".
- A popular server-side scripting language.
- PHP is a widely-used, open-source scripting language.
- PHP scripts are executed on the server.
- PHP is free to download and use.

Purpose:

- Designed for web development.
- Can be embedded into HTML.

■ What is a PHP File?



- PHP files can contain text, HTML, CSS, JavaScript, and PHP code.
- PHP code is executed on the server, and the result is returned to the browser as plain HTML.
- PHP files have the extension ***“.php”***.

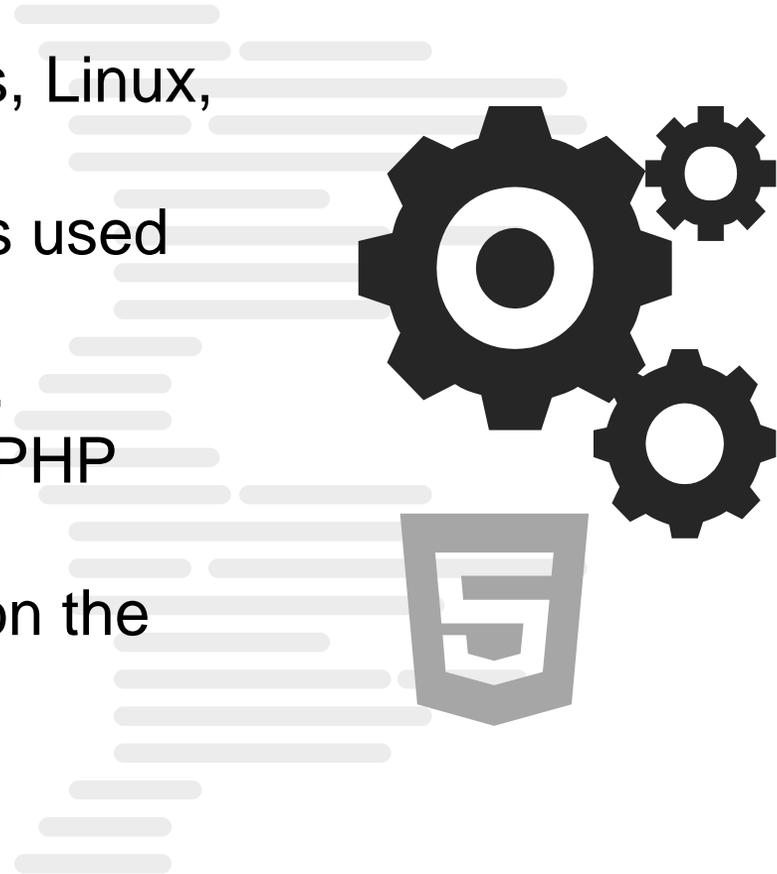
■ What Can PHP Do?

- PHP can generate dynamic page content.
- PHP can create, open, read, write, delete, and close files on the server.
- PHP can collect form data.
- PHP can send and receive cookies.
- PHP can add, delete, modify data in your database.
- PHP can be used to control user-access.
- PHP can encrypt data.
- With PHP you are not limited to output HTML. You can output images, PDF files, and even Flash movies. You can also output any text, such as XHTML and XML.



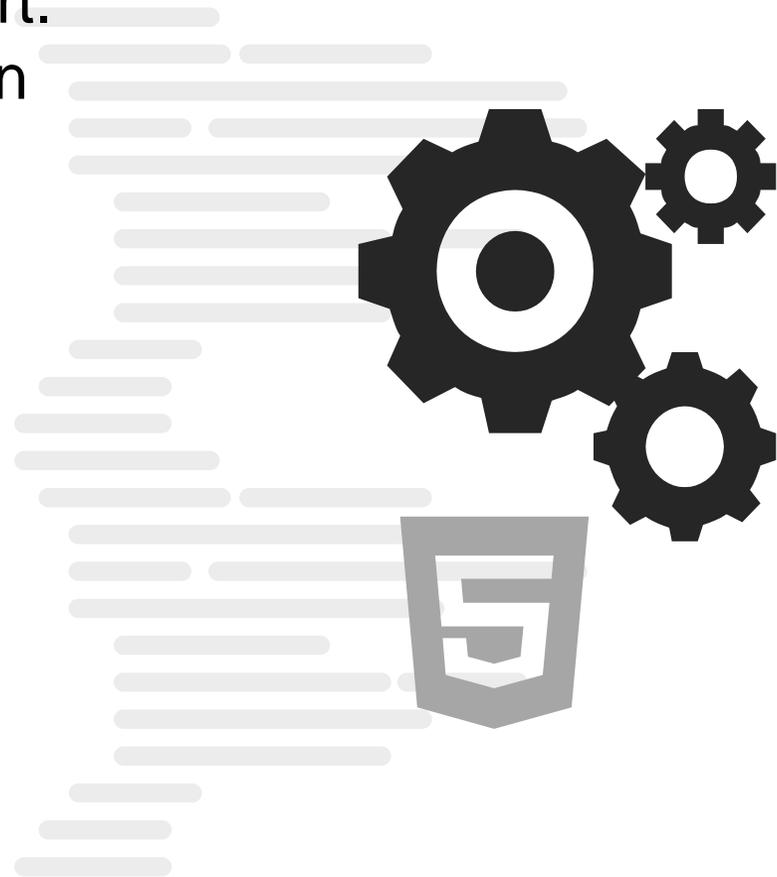
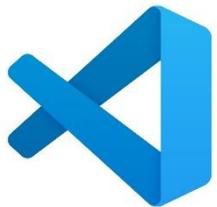
■ Why PHP?

- PHP runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.).
- PHP is compatible with almost all servers used today (Apache, IIS, etc.).
- PHP supports a wide range of databases.
- PHP is free. Download it from the official PHP resource: www.php.net.
- PHP is easy to learn and runs efficiently on the server side.



■ PHP Installation

- To start using PHP, you can:
- Find a web host with PHP and MySQL support.
- Install a web server on your own PC, and then install PHP and MySQL.
- Install Any modern browser such as Google Chrome, Mozilla Firefox, or Safari to test and view your web applications.



■ Basic PHP Syntax

- A PHP script is executed on the server, and the plain HTML result is sent back to the browser.
- A PHP script can be placed anywhere in the document. A PHP script starts with `<?php` and ends with `?>`:

```
<?php  
echo "Hello World!";  
?>
```

- The default file extension for PHP files is ".php". A PHP file normally contains HTML tags, and some PHP scripting code.

■ Comments in PHP

- A comment in PHP code is a line that is not read/executed as part of the program. Its only purpose is to be read by someone who is looking at the code. Comments can be used to:

- Let others understand what you are doing
- Remind yourself of what you did - Most programmers have experienced coming back to their own work a year or two later and having to re-figure out what they did. Comments can remind you of what you were thinking when you wrote the code

- PHP supports several ways of commenting:

```
<?php
// This is a single-line comment
# This is also a single-line comment
/*
This is a multiple-lines comment block
that spans over multiple
lines
*/
// You can also use comments to leave out parts
of a code line $x = 5 /* + 15 */ + 5;
echo $x;
?>
```

Key Points Summary:

1. Definition of PHP.
2. Uses of PHP.
3. PHP Installation.
4. Basic PHP Syntax.

