Web Development
CSCI-GA 1122

PHP
Hypertext Preprocessor
PHP is an open-source language for server-side scripting. PHP code is executed on the server and the result is returned to the browser as plain HTML. PHP in conjunction with HTML, CSS, JavaScript, and MySQL forms the basis of dynamic web development.
Request and Response
Basic HTML Sequence

1. You enter a URL in the address bar
2. The browser looks up the IP address
3. The browser requests the page
4. The request crosses the Internet and arrives at the web server
5. The server looks for the web page on its hard disk
6. The Web page is retrieved and returned to the browser
7. The browser displays the web page
Request and Response
With PHP

If, after a web server access a page, it notices that it includes PHP, the page is passed to the PHP interpreter.

The interpreter executes the PHP code.

The interpreter returns the results of the PHP code to the web server.

Then the web page is returned to the browser and the browser displays it.
PHP Capability

- Generate dynamic page content
- Create, open, read, write, delete, and close files on the server
- Collect form data
- Send and receive cookies
- Add, delete, and modify data in a database
- Control user-access
- Encrypt data
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