

Computer Science E-75

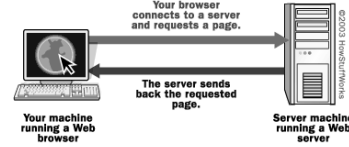
Building Dynamic, Scalable Websites

Harvard Extension School
<http://www.cs75.net/>

Lecture 1: PHP

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HTTP



Images from howstuffworks.com

Apache

<http://httpd.apache.org/docs/2.2/>



Images from apache.org

Apache

```
<VirtualHost 64.131.79.130:80>

    ServerName www.malanrouge.com
    ServerAlias www.malanrouge.com malanrouge.com
    ServerAdmin webmaster@malanrouge.com
    DocumentRoot /home/malan/domains/malanrouge.com/public_html

    SuexecUserGroup malan malan
    CustomLog /var/log/httpd/domains/malanrouge.com.bytes bytes
    CustomLog /var/log/httpd/domains/malanrouge.com.log combined
    ErrorLog /var/log/httpd/domains/malanrouge.com.error.log

    <Directory /home/malan/domains/malanrouge.com/public_html>
        Options All
        suPHP_Engine ON
        suPHP_UserGroup malan malan
    </Directory>

</VirtualHost>
```

mod_rewrite

```
RewriteEngine On
RewriteCond %{HTTP_HOST} !^www.malanrouge.com$ [NC]
RewriteRule (.*) http://www.malanrouge.com/$1 [R=301,L]
```

http://httpd.apache.org/docs/2.2/mod/mod_rewrite.html

XAMPP

- Linux, Mac OS, Solaris, Windows
- Apache
- MySQL
- PHP
- Perl



Image from phpware.com

Forms

- Text Fields
`<input name="email" type="text" />`
- Password Fields
`<input name="password" type="password" />`
- Hidden Fields
`<input name="id" value="123" />`
- Checkboxes
`<input checked="checked" name="remember" type="checkbox" />`
- Radio Buttons
`<input name="gender" type="radio" value="F" />`
`<input name="gender" type="radio" value="M" />`
- Drop-Down Menus
`<select name="state">`
 `<option value=" "></option>`
 `<option value="MA"></option>`
 `<option value="NY"></option>`
`</select>`
- Text Areas
`<textarea name="comments"></textarea>`

Forms



PHP

<http://us3.php.net/manual/en/>



Image from php.net

suPHP

<http://www.suphp.org/>



Image from suphp.org

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<?php

<http://us2.php.net/manual/en/langref.php>

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Variables

“A valid variable name starts with a letter or underscore, followed by any number of letters, numbers, or underscores.”

Excerpted from http://us2.php.net/manual/en/language_variables.php

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Types

- boolean
- integer
- float
- string
- array
- object
- resource
- NULL
- mixed
- number
- callback

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References

<http://us2.php.net/manual/en/language.references.php>

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Superglobals

- `$_COOKIE`
- `$_ENV`
- `$_FILES`
- `$_GET`
- `$_POST`
- `$_REQUEST`
- `$_SERVER`
- `$_SESSION`

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Arrays

<http://us2.php.net/array>

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Loops

- `for`
- `while`
- `do ... while`
- `foreach`

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