

A PHP Program

Class 8

PHP Web Program

- `https://sand.truman.edu/~jbeck/c08/word.php`
- you can run it but you can't see it
- if are currently viewing a web page, Ctrl-U (Command-U on mac) shows you the source code
- but the webserver doesn't show you the source of a PHP file, it **runs** the PHP file, which generates pure HTML, with no PHP code

Viewing PHP

- the webserver is configured to **run** a file with extension .php
- the webserver is configured to **show** a file with extension .phps, but for security reasons this is blocked by default (the s in .phps stands for “source”)
- to enable this in your directory, you must tell the server to show a .phps file
- edit your .htaccess file to look like this:

```
Order Allow,Deny  
Allow from all
```

```
<FilesMatch ".+\.phps$">  
    Require all granted  
</FilesMatch>
```

Viewing PHP Source

- if I renamed the file:
\$ mv word.php word.phpps
you would then be able to see the source code
but it would no longer run
- we'd like to **both** see it and run it

Symbolic Link

- the solution is to use symbolic links
`$ ln -s word.php word.php`
- now word.php is an alias of or pointer to word.php
- but with a different name
- symlinks do exist on Windows, but historically they're difficult to create and use
- require administrator access
- on Linux and Mac they just work
- one more reason real CS people use Unix

The Word Program

- PHP embedded in HTML (no print or echo)
- functions
- reading from a file
- writing to a file
- random
- `list(...)` — assign variables as if they were an array
- file permissions and ownership of data file