

Create a PHP unit test case using SimpleTest

You can download SimpleTest at <https://sourceforge.net/projects/simpletest/>

Suppose you have a PHP file called `math.php` that contains functions that you want to test.

```
<?function square($x) {return $x * $x;}function cube($x) {return $x * $x * $x;}?>
```

Then you can write a test case in another file, say `mathtest.php`.

(Suppose you have downloaded and extracted SimpleTest to `C:\simpletest`.)

```
<?phpif (!defined('SIMPLE_TEST')) {define('SIMPLE_TEST', 'C:\\simpletest\\');}require_once(SIMPLE_TEST)
```

(Each function named `test*` in this class represents a test case and will be run automatically by SimpleTest.)

Run the test case with the command `php mathtest.php`. As the `square` function is written correctly, the test case will pass.

```
testofloggingOKTest cases run: 1/1, Passes: 1, Failures: 0, Exceptions: 0
```

Try changing the `square` function and see what happens.

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