

### PHPUnit Introduction

**Descri-ption** PHPUnit is a programmer-oriented testing framework for PHP.

**Homepage** <https://phpunit.de/index.html>

**Docs** <https://phpunit.readthedocs.io/en/10.0/>

### PHPUnit 10 Example Test

```
<?php declare(strict_types=1);
use PHPUnit\Framewor\k\TestCase;
final class exampleTest extends TestCase
{
    public function testBasicExample(): void
    {
        $this->assertTrue(true);
    }
}
```

### PHPUnit 10 Composer Commands

**Include PHPUnit 10 With Composer**

```
$ composer require --dev phpunit/phpunit ^10
```

**Check your PHPUnit Version**

```
$ ./vendor/bin/phpunit --version
```

**Run PHPUnit Tests**

```
$ ./vendor/bin/phpunit tests
```

### PHPUnit String Format Placeholders

| Placeholder | Meaning                                        |
|-------------|------------------------------------------------|
| %e          | Directory separator                            |
| %s          | One or more of anything except end of line     |
| %S          | Zero or more of anything except end of line    |
| %a          | One or more of anything including end of line  |
| %A          | Zero or more of anything including end of line |
| %w          | Zero or more white space characters.           |
| %i          | A signed integer value                         |
| %d          | An unsigned integer value                      |
| %x          | One or more hexadecimal character.             |
| %f          | A floating point number                        |
| %c          | Any single character                           |
| %%          | A literal percent character                    |

### Basic Tests

```
assertTrue (bool $condition[, string $message = ''])
```

```
assertNotTrue (bool $condition[, string $message = ''])
```

```
assertFalse (bool $condition[, string $message = ''])
```

```
assertNotFalse (bool $condition[, string $message = ''])
```

```
assertEmpty (mixed $actual[, string $message = ''])
```

```
assertNotEmpty (mixed $actual[, string $message = ''])
```

### Numeric Tests

```
assertGreaterThan (mixed $expected, mixed $actual)
```

```
assertGreaterThanOrEqual (mixed $expected, mixed $actual)
```

```
assertLessThan (mixed $expected, mixed $actual)
```

```
assertLessThanOrEqual (mixed $expected, mixed $actual)
```



By **Dave Child** (DaveChild)  
[cheatography.com/davechild/](https://cheatography.com/davechild/)  
[alnoneahill.com](https://alnoneahill.com)

Not published yet.  
 Last updated 14th February, 2023.  
 Page 1 of 1.

Sponsored by **Readable.com**  
 Measure your website readability!  
<https://readable.com>