

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 \Test Case;
final class exampl eTest extends TestCase
{
    public function testBa sic Exa mple(): void
    {
        $this->as ser tTr ue( true);
    }
}
```

PHPUnit 10 Composer Commands

Include PHPUnit 10 With Composer

```
$ composer require --dev phpuni t/p hpunit ^10
```

Check your PHPUnit Version

```
$ ./vend or/ bin /ph puni t --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 $condi tion[, string $message = '' ])
assertNotTrue (bool $condi tion[, string $message = '' ])
```

```
assertFalse (bool $condi tion[, string $message = '' ])
assertNotFalse (bool $condi tion[, string $message = '' ])
```

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

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

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

Numeric Tests

```
assertGre ate rThan (mixed $expected, mixed $actual)
```

```
assertGre ate rTh anO r Equal (mixed $expected, mixed $actual)
```

```
assertLes sThan (mixed $expected, mixed $actual)
```

```
assertLes sTh anO rEqual (mixed $expected, mixed $actual)
```



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