Your first test

\PHPUnit\Framework\TestCase

- a type of assertion

- an expected value

- the value generated by the test

- an optional message to be displayed when the test fails

```php
public function testAddition(): void
{
    self::assertSame(
        5,
        \Calculator::add(2, 3),
        'Failed addition',
    );
}
```

Test coverage

Code coverage metric

- Low coverage indicate you are not testing enough.

- High is no guarantee that you have good quality tests.

- Example: Calculator::add()

```php
public static function add(
    int $a,
    int $b,
): int {
    return $a + $b;
}
```