

4. Buat class **Employee.php** dan file test-nya

```
<?php
namespace src\Employee;

class Employee
{
    private int $id;
    private string $name;
    private int $basic_salary;

    /**
     * Employee constructor.
     * @param int $id
     * @param string $name
     * @param int $basic_salary
     */
    public function __construct(int $id, string $name, int $basic_salary)
    {
        $this->id = $id;
        $this->name = $name;
        $this->basic_salary = $basic_salary;
    }

    /**
     * @return int
     */
    public function getId(): int
    {
        return $this->id;
    }

    /**
     * @return string
     */
    public function getName(): string
    {
        return $this->name;
    }

    /**
     * @return int
     */
    public function getBasicSalary(): int
    {
        return $this->basic_salary;
    }
}
```

Class **Employee.php** ini berisi 3 properti, **\$id** untuk menyimpan id, **\$name** untuk menyimpan nama employee, **\$basic_salary** untuk menyimpan gaji, dan juga 4 method, 1 constructor serta 3 getter method untuk mengakses private variable.

File test **EmployeeTest.php**

Pada class test **EmployeeTest.php** terdapat 1 buah method test bernama **shouldCreateObject()**, didalam method ini terdapat 3 buah assertion untuk mengecek apakah property dari **Employee.php** di parameter kedua sama dengan yang diinginkan, sesuai dengan parameter pertama.

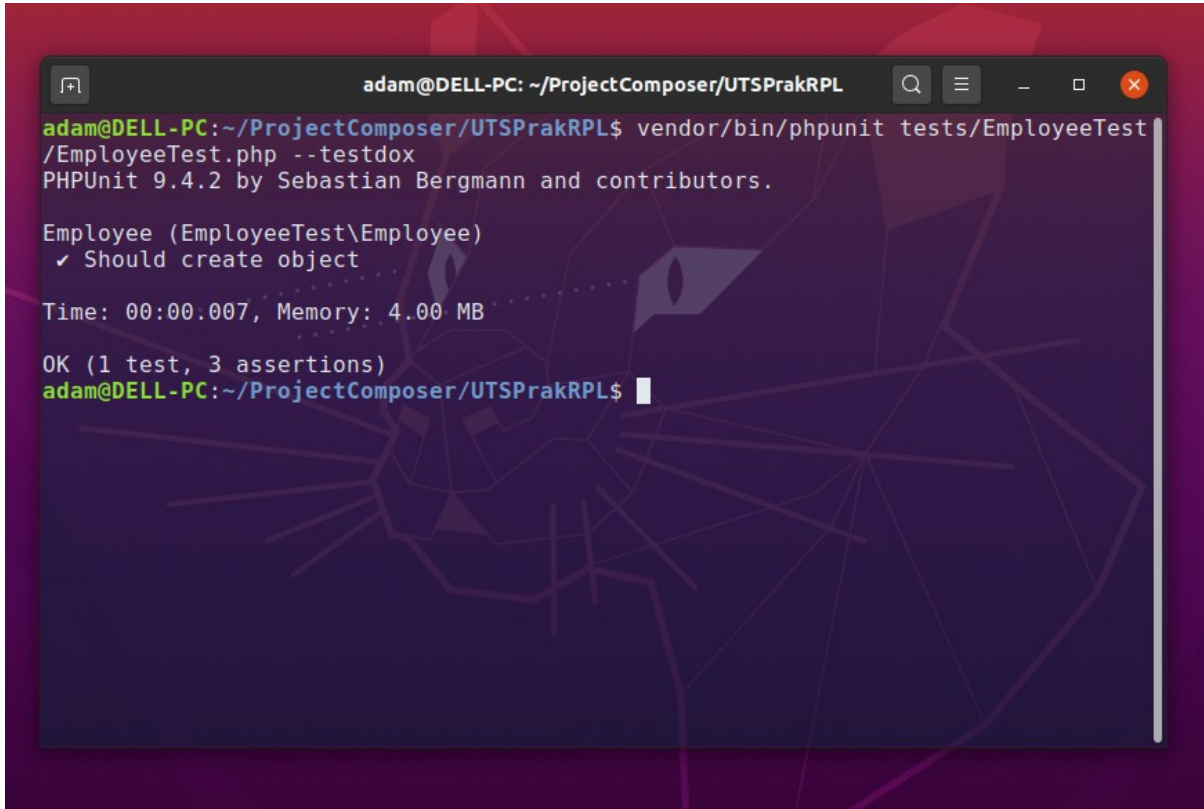
```
<?php
namespace EmployeeTest;

use src\Employee\Employee;
use PHPUnit\Framework\TestCase;

class EmployeeTest extends TestCase
{
    /**
     * @test
     * @return void
     */
    public function shouldCreateObject(): void
    {
        $id = 1;
        $name = 'John Smith';
        $basic_salary = 1000000;

        $employee = new Employee($id, $name, $basic_salary);
        $this->assertEquals($id, $employee->getId());
        $this->assertEquals($name, $employee->getName());
        $this->assertEquals($basic_salary, $employee->getBasicSalary());
    }
}
```

Jelaskan hasilnya kenapa ada 3 assertions yang berhasil dalam sebuah test! Sebutkan!



```
adam@DELL-PC: ~/ProjectComposer/UTSPrakRPL$ vendor/bin/phpunit tests/EmployeeTest/EmployeeTest.php --testdox
PHPUnit 9.4.2 by Sebastian Bergmann and contributors.

Employee (EmployeeTest\Employee)
✓ Should create object

Time: 00:00:007, Memory: 4.00 MB

OK (1 test, 3 assertions)
adam@DELL-PC:~/ProjectComposer/UTSPrakRPL$
```

Karena output yang dihasilkan pada parameter kanan sama dengan nilai yang ada di parameter kiri, begitupula dengan assertion yang lainnya, oleh karena itu ketiga assertions tersebut berhasil

Coba ganti isi method `$name = 'John Smith'`; dengan `$name = John Smith;` (tanpa `'`). Analisa hasilnya!

```
<?php
namespace EmployeeTest;

use src\Employee\Employee;
use PHPUnit\Framework\TestCase;

class EmployeeTest extends TestCase
{
    /**
     * @test
     * @return void
     */
    public function shouldCreateObject(): void
    {
        $id = 1;
        $name = John Smith;
        $basic_salary = 1000000;

        $employee = new Employee($id, $name, $basic_salary);
        $this->assertEquals($id, $employee->getId());
        $this->assertEquals($name, $employee->getName());
        $this->assertEquals($basic_salary, $employee->getBasicSalary());
    }
}
```

```
adam@DELL-PC: ~/ProjectComposer/UTSPrakRPL
adam@DELL-PC:~/ProjectComposer/UTSPrakRPL$ vendor/bin/phpunit tests/EmployeeTest
/EmployeeTest.php --testdox
PHP Fatal error:  Uncaught ParseError: syntax error, unexpected 'Smith' (T_STRING) in /home/adam/ProjectComposer/UTSPrakRPL/tests/EmployeeTest/EmployeeTest.php:
16
Stack trace:
#0 /home/adam/ProjectComposer/UTSPrakRPL/vendor/phpunit/phpunit/src/Util/FileLoader.php(49): PHPUnit\Util\FileLoader::load()
#1 /home/adam/ProjectComposer/UTSPrakRPL/vendor/phpunit/phpunit/src/Runner/StandardTestSuiteLoader.php(43): PHPUnit\Util\FileLoader::checkAndLoad()
#2 /home/adam/ProjectComposer/UTSPrakRPL/vendor/phpunit/phpunit/src/Runner/BaseTestRunner.php(146): PHPUnit\Runner\StandardTestSuiteLoader->load()
#3 /home/adam/ProjectComposer/UTSPrakRPL/vendor/phpunit/phpunit/src/Runner/BaseTestRunner.php(112): PHPUnit\Runner\BaseTestRunner->loadSuiteClass()
#4 /home/adam/ProjectComposer/UTSPrakRPL/vendor/phpunit/phpunit/src/TextUI/Command.php(125): PHPUnit\Runner\BaseTestRunner->getTest()
#5 /home/adam/ProjectComposer/UTSPrakRPL/vendor/phpunit/phpunit/src/TextUI/Command.php(101): PHPUnit\TextUI\Command->run()
#6 /home/adam/ProjectComposer/UTSPrakRPL/vendor/phpunit/phpunit/src/TextUI/Command.php on line 103
adam@DELL-PC:~/ProjectComposer/UTSPrakRPL$
```

Karena tidak ada tanda tanda petik, maka akan terjadi syntax error, dan testing tidak akan dijalankan