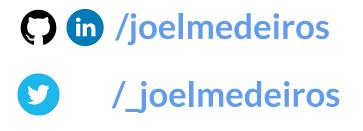
# PHP Activities Purely code or magic?

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## WHO am I?



Curious and passionate about innovation, technology and agile teams that seeks to learn everyday how technology can impact people lives.



# Subiminds

Remote teams, near collaboration.



#### **#COMMUNITYWORKS**

#### First of all,



#### is annotation?

Something that **describes** an aspect of the subject through metadata **in runtime**. In other words, the annotation effects on a class, method or object are only when **it is executed** 





@rdohms

# 

#### is annnotation used for?

## How is METADATA MANPULATION used?

### Java - Annotations

#### •••

import java.lang.annotation.\*;

@Target(ElementType.TYPE)
@Retention(RetentionPolicy.RUNTIME)
@Inherited
public @interface DBTable {
 public String table();

## **PYTHON - Decorators**

#### ••••

def decorator\_with\_arguments(function):
 def wrapper\_accepting\_arguments(arg1, arg2):
 print("My arguments are: {0}, {1}".format(arg1,arg2))
 function(arg1, arg2)
 return wrapper\_accepting\_arguments

#### @decorator\_with\_arguments

```
def cities(city_one, city_two):
    print("Cities I love are {0} and {1}".format(city_one, city_two))
```

```
cities("Nairobi", "Accra")
```

```
# My arguments are: Nairobi, Accra
# Cities I love are Nairobi and Accra
```

## **JAVASCRIPT ES6 - Decorators**

#### •••

```
function readonly(target, name, descriptor) {
  descriptor writable = false;
  return descriptor;
class Example {
  a() {}
  @readonly
  b() {}
const e = new Example();
e_{a} = 1
e b = 2;
```

// TypeError: Cannot assign to read only property 'b' of object '#<Example>'

### **RUST - Attributes**

#### •••

```
#[test]
#[should_panic(expected = "values don't match")
fn mytest() {
    assert_eq!(1, 2, "values don't match");
}
```

```
// running 1 test
// test mytest ... ok
```

// test result: ok. 1 passed; 0 failed; 0 ignored; 0 measured; 0 filtered out



#### does use annotations?

### PHPUNIT

use PHPUnit\Framework\TestCase;

class MyTest extends TestCase { public function testThatInteractsWithGlobalVariables() }

## **SYMFONY FRAMEWORK**

// src/Controller/BlogController.php
namespace App\Controller;

use Symfony\Bundle\FrameworkBundle\Controller\AbstractController; use Symfony\Component\Routing\Annotation\Route;

class BlogController extends AbstractController

```
/**
 * @Route("/blog", name="blog_list")
 */
public function list()
{
    // ...
}
```

#### **DOCTRINE ORM**

#### /\*\* @Entity \*/ class Message

{

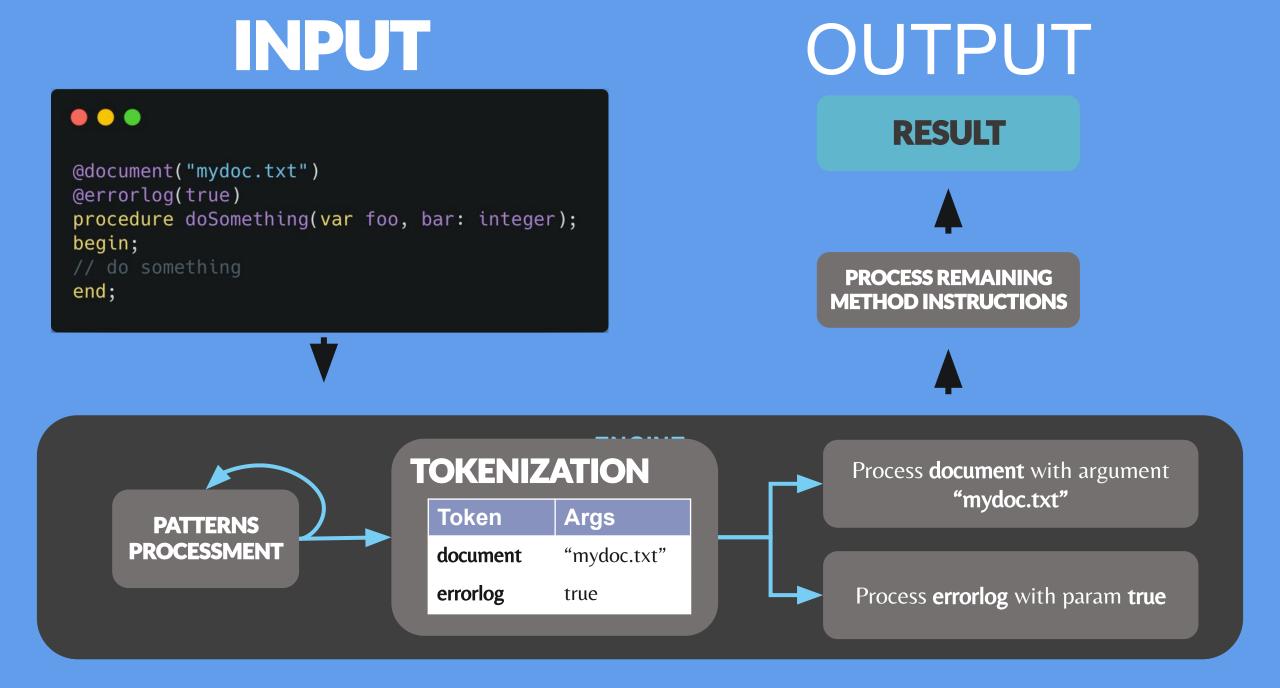
}

/\*\* @Column(type="integer") \*/
private \$id;

/\*\* @Column(length=140) \*/
private \$text;

/\*\* @Column(type="datetime", name="posted\_at") \*/
private \$postedAt;





## PHP doesn't have NATIVE ENGINE for Apportations

for Annotations



# PHP RFC: Attributes v2



#### @beberlei

# Why give the name **ATTRIBUTES?**





@@WithoutArgument
@@SingleArgument(0)
@@FewArguments('Hello', 'World')
function foo() {}

#### **Reflection API Attribute**

#### • • •

function ReflectionFunction::getAttributes(string \$name = null): ReflectionAttribute[];
function ReflectionClass::getAttributes(string \$name = null): ReflectionAttribute[];
function ReflectionProperty::getAttributes(string \$name = null): ReflectionAttribute[];
function ReflectionClassConstant::getAttributes(string \$name = null): ReflectionAttribute[];

```
class ReflectionAttribute
```

```
{
```

public function getName(): string
public function getArguments(): array
public function getAsObject(): object

}

# USE CASE



#### use annotations?





# 

# THANKYOU

Keep in touch find by **joelmedeiros** in your social network :)