

Decorators

```
def print_my_name(func):  
    def new_func(*args, **kwargs):  
        print(func.__name__)  
        return func(*args, **kwargs)  
    return new_func
```

```
>>> prints_name = print_my_name(function)
```

```
>>> function() == prints_name()
```

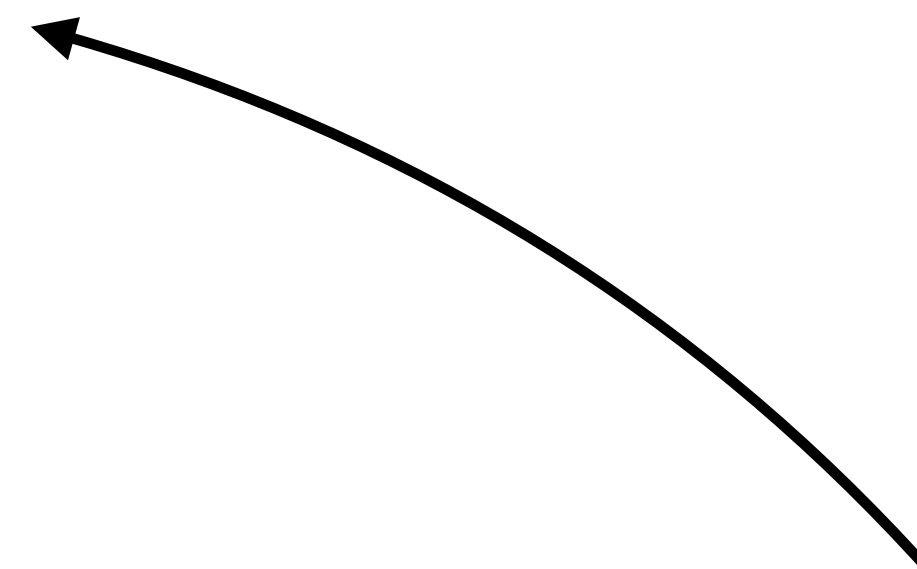
```
function
```

```
True
```

```
def print_my_name(func):  
    def new_func(*args, **kwargs):  
        print(func.__name__)  
        return func(*args, **kwargs)  
    return new_func
```

```
@print_my_name  
def foo(x):  
    return x
```

```
>>> foo(1)  
foo  
1  
>>>
```



equals to:

```
foo = print_my_name(foo)
```