

- >>> from functools import wraps

- >>> def shabby_log(function):

- ... @wraps(function)

- ... def decorated(*args, **kw):

- ... print(f"{function.__name__}(*{args}, **{kw})")

- ... return function(*args, **kw)

- ... return decorated

- ...

- >>> @shabby_log

- ... def example(a, b):

- ... return a+b

- ...

- >>> example(2, 3)

- example(*(2, 3), **{})

- 5

The New Function

Built around the original function

What Is Decoration?

- ◆ It's functional composition. Consider this:

@d

```
def f(x): ...
```

- ◆ It's approximately this: $d \circ f(x)$
- ◆ Focus on tweaking argument values or result values