

Python Decorators

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@def log_message3(fn):

    def wrapper(*args):
        f = open('decorator_logs.txt', 'a+')
        f.write(fn(*args))
        f.write("\n")
        f.close()
        return fn

    return wrapper

@log_message3
def a_function_that_returns_a_string():
    return "A string"

@log_message3
def a_function_that_returns_a_string_with_newline(s):
    return "{}\n".format(s)

@log_message3
def a_function_that_returns_another_string(string=""):
    return "Another string"

if __name__ == '__main__':
    a_function_that_returns_a_string()
    a_function_that_returns_a_string_with_newline("Hello World")
    a_function_that_returns_another_string()
```