

Decorator

September 21, 2025

```
[12]: def deco(func):  
      def inner_dec():  
          print("This is the start of my fun")  
          func()  
          print("this is the end of my fun")  
      return inner_dec
```

```
[13]: @deco  
def test1():  
    print(10+4)
```

```
[14]: test1()
```

```
This is the start of my fun  
14  
this is the end of my fun
```

```
[21]: import time  
  
def time_test(func):  
    def timer_test_inner():  
        start = time.time()  
        func()  
        end = time.time()  
        print(end - start)  
    return timer_test_inner
```

```
[26]: @time_test  
  
def loop():  
    for i in range(100):  
        pass
```

```
[27]: loop()
```

```
2.384185791015625e-06
```

```
[ ]:
```