

# Untitled42

August 1, 2023

## 1 DECORATORS

```
[1]: def test():  
      print(343+546)
```

```
[2]: test()
```

889

```
[3]: def test1():  
      print("This is the beginning of my code")  
      print(343+546)  
      print("This is the end of my code")
```

```
[4]: test1()
```

This is the beginning of my code

889

This is the end of my code

```
[8]: def deco(func):  
      def deco_test():  
          print("This is the beginning of my code")  
          func()  
          print("This is the end of my code")  
      return deco_test
```

```
[9]: @deco  
def test2():  
    print(42+465)
```

```
[10]: test2()
```

This is the beginning of my code

507

This is the end of my code

### 1.0.1 TIMER EXAMPLE

```
[11]: import time

def time_test(func):
    def time_test_one():
        start = time.time()
        func()
        end = time.time()
        print(end - start)
    return time_test_one
```

```
[12]: @time_test
def test_a():
    print(234+765)
```

```
[13]: test_a()
```

```
999
4.76837158203125e-05
```

```
[21]: @time_test
def test_r():
    for i in range(120034788):
        return i
```

```
[22]: test_r()
```

```
2.1457672119140625e-06
```

```
[ ]:
```