

Project 3:

Python Decorators

Code:

```
def log_message(func):
    def inner(*ar, **kw):
        result = func(*ar, **kw)
        print(result)
        return result
    return inner

@log_message
def a_function_that_returns_a_string():
    yield "a string"
    #return "a string"

@log_message
def a_function_that_returns_a_strings_with_a_newline(s):
    yield "{}\n".format(s)
    #return "{}\n".format(s)

@log_message
def a_function_that_returns_another_string(string=""):
    yield string
    #return string

a = a_function_that_returns_a_string()
a1=str(next(a))
print(a1)

ss=str(input("enter a string to return withnew line :"))
b2=a_function_that_returns_a_strings_with_a_newline(ss)
b1=str(next(b2))
print(b1,"\n")

string1=str(input("enter a another string :"))
ans=a_function_that_returns_another_string(string1)
ans1=(next(ans))
print(ans1)
```

```
f=open("decorator_logs.txt","w")

f.write("{}\n".format(a1))
print("\n")
f.write("{}\n".format(b1))
f.write(ans1)
f.close()
```

```
<generator object a_function_that_returns_a_string at 0x000001FEFFF45820>
```

a string

enter a string to return with new line :Most people believe communication is only about speaking. But listening is equally important if you want to connect with people. As American author Ernest Hemingway said, "When people talk, listen completely. Most people never listen."

```
<generator object a_function_that_returns_a_strings_with_a_newline at 0x000001FEFFF45430>
```

Most people believe communication is only about speaking. But listening is equally important if you want to connect with people. As American author Ernest Hemingway said, "When people talk, listen completely. Most people never listen."

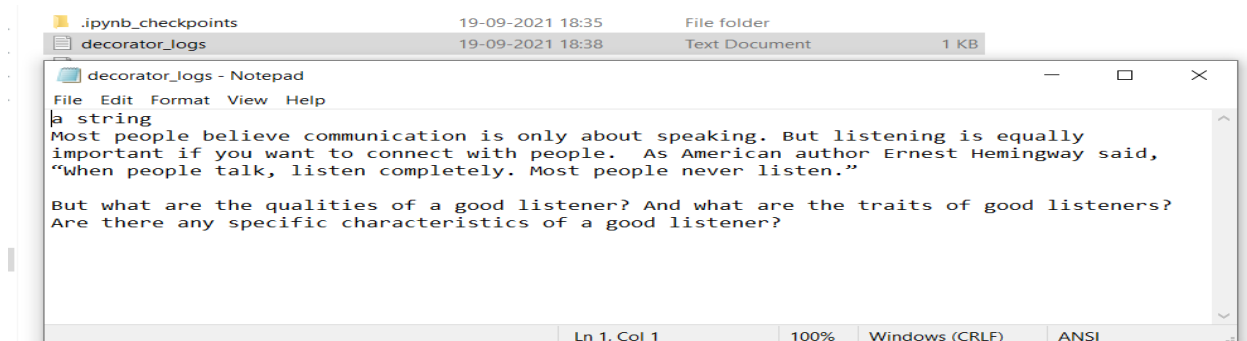
enter a another string :But what are the qualities of a good listener? And what are the traits of good listeners? Are there any specific characteristics of a good listener?

```
<generator object a_function_that_returns_another_string at 0x000001FEFFF455F0>
```

But what are the qualities of a good listener? And what are the traits of good listeners? Are there any specific characteristics of a good listener?



Name	Last Modified	File size
seconds ago		
Project 3.ipynb	Running 2 minutes ago	3.22 kB
Project 4.ipynb	Running 13 minutes ago	4.08 kB
Untitled.ipynb	Running 19 hours ago	3.57 kB
decorator_logs.txt	seconds ago	398 B
project4.py	3 days ago	420 B



File	Modified	Type	Size
.ipynb_checkpoints	19-09-2021 18:35	File folder	
decorator_logs	19-09-2021 18:38	Text Document	1 KB

```

a string
Most people believe communication is only about speaking. But listening is equally
important if you want to connect with people. As American author Ernest Hemingway said,
"When people talk, listen completely. Most people never listen."

But what are the qualities of a good listener? And what are the traits of good listeners?
Are there any specific characteristics of a good listener?

```