```python
#NEXT CLASS TASK 03/04/2023
#Exercise 1:
#Write a decorator function that logs the arguments and return value of a function.


def function(func):
    print("python")
    def inner(x):
        func(x)
    return inner


@function
def log(a):
    print(a)


log(20)
```

log()

Run: TASKS

```
C:\Users\anusr\PycharmProjects\pythonProject\venv\Scripts\python.exe C:\Users\anusr\Pych
python
20


Process finished with exit code 0
```

Class_10.py   Class_27-3.py   TASKS.py   MonthNames.py   Class_10-4.py

```python
log(20)
'''


#Exercise_2:
# Write a Python program to read a file and display its contents


file=open('MonthNames.py','r')
print(file.read())
```

Run: TASKS

```
C:\Users\anusr\PycharmProjects\pythonProject\venv\Scripts\python.exe C:\Users\an
month_num=int(input("Enter the month:"))
if month_num==1:
    print("month",month_num,"is January")
elif month_num==2:
    print("month",month_num,"is February")
elif month_num==3:
    print("month",month_num,"is March")
elif month_num==4:
    print("month",month_num,"is April")
elif month_num==5:
    print("month",month_num,"is May")
elif month_num==6:
    print("month",month_num,"is June")
elif month_num==7:
    print("month",month_num,"is July")
elif month_num==8:
    print("month",month_num,"is August")
elif month_num==9:
    print("month",month_num,"is September")
```

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PEP 8: W292 no newline at end of file

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pythonProject > TASKS.py

Class_10.py   Class_27-3.py   TASKS.py   Class_10-4.py

```python
167    '''
168
169    #Exercise 3:
170    # Write a Python program to count the number of lines in a file
171
172    file=open('MonthNames.py','r')
173    print("Number of lines:",len(file.readlines()))
```

Run: TASKS

```
C:\Users\anusr\PycharmProjects\pythonProject\venv\Scripts\python.exe C:\Users\anusr\Py
Number of lines: 27


Process finished with exit code 0
```