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Subject- letsupgrade python batch 7 Day 8Assignment

Question 1

Write a decorator function for your taking input for you any kind of function you want to build,

For example - You make a fibonacci series function,in which your input range is been defined by the decorator program input.

```python
def inputfunction(functionality_function):
    def wrap_function():
        a=int(input('Enter the first number-'))
        b=int(input('Enter the second number-'))
        functionality_function(a,b)
    return wrap_function


@inputfunction
def fibonacci(a,b):
    count=0
    nterms=int(input('Enter the range of fibonocci series-'))
    if nterms<=0:
        print('Enter the positive number')
    elif nterms==1:
        print('Fibonocci series is')
        print(a)
    else:
        print('Fibonocci series is')
        while count<=nterms:
            print(a,end=' ')
            f=a+b
            a=b
            b=f
            count+=1


fibonacci()


@inputfunctiondef
 addition(a,b):
    print('addition is-',a+b)


addition()
```

Question 2

For this challenge you need to develop a Python program to open a file in read only mode and trywriting something to it and handle the subsequent errors using Exception Handling

```python
fhand=open('test.txt','w')
fhand.write(input())
fhand.close()


 fread=open('test.txt','r')
readfile=fread.read()
print(readfile)
fread.close()


try:
    writefile=fread.write(input())
    print(writefile)
except:
    print('file cannot be written since it is open in read mode')
```