File Handling

open() function takes two parameters filename and mode There are four different modes for opening a file

Mode Description

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How do you write a data into a file?

```
Day27_FileHandling
   📒 Eg1.py
🔓 Eg1.py 🗵
       # (filename, mode(w for write))
1
       f = open('hello.txt', 'w')
       s = input('Enter a Text: ')
       f.write(s)
       print("New File Created")
       f.close()
     C:\Users\lenovo\AppData\Local\Programs\Pyt
     Enter a Text: Hello, Hi How are you
     New File Created
  Day27_FileHandling
    🐌 Eg1.py
    hello.txt
```

How do you read the data from a file?

```
Day27_FileHandling

Eg1.py

Eg2.py

Hello.txt

f = open("hello.txt", 'r')

for i in f:
 print(i)

Run:

Eg3 ×

C:\Users\lenovo\AppData\Log
Hello, Hi How are you
```

```
Day27_FileHandling
    🐌 Eg1.py
    🐌 Eg2.py
    🌉 Eg3.py
    Eg4.py
     hello.txt
# Eg4.py ×
        f = open('list.txt', 'w')
        l = ['one', 'two', 'three', 'four']
2
        f.writelines(l)
        print('Data Inserted')
        f.close()
5
Run: PEg4 X
       C:\Users\lenovo\AppDa
       Data Inserted

✓ ■ Day27_FileHandling

    Eg1.py
    🐌 Eg2.py
    🐌 Eg3.py
    🐌 Eg4.py
    hello.txt
    list.txt -
```

```
# Eg5.py ×
        f = open("ant.txt", 'w')
        s = 'cat'
        while s == 'cat':
             s = input('Enter any Value: ')
             f.write(s)
        f.close()
∨ Day27_FileHandling
    ant.txt 🚤
    🐌 Eg1.py
    🐌 Eg2.py
    🌉 Eg3.py
    🀌 Eg4.py
    🖺 Eg5.py
     hello.txt
     list.txt
```

tell() This method returns the current position of the file read/write pointer within the file. It's position starts from zero ✓ ■ Day27_FileHandling ant.txt Eg1.py Eg2.py Eg3.py Eg4.py Eg5.py 🐌 Eg6.py hello.txt list.txt # Eg6.py × f = open("hello.txt", 'r') 1 print(f.tell()) # 0 print(f.read()) # Hello, Hi How are you print(f.tell()) # 21 Eg6 × Run: C:\Users\lenovo\AppData\ 0 5 Hello, Hi How are you 21

```
f = open("hello.txt", 'r')
f.read(7) # read the position of cursor
print(f.tell()) # 7
print(f.read()) # Hi How are you
Run:  Fg7 ×

C:\Users\lenovo\AppData\l
7
Hi How are you
```

seek() This seek() method is used to change the position of the cursor The cursor is always started from beginning. Day27_FileHandling ant.txt Eg1.py 🐌 Eg2.py Eg3.py 📒 Eg4.py Eg5.py 🐌 Eg6.py 🐌 Eg7.py 🐌 Eg8.py hello.txt list.txt f.read(2) → reads the 2 Characters 🐌 Eg8.py 🗵 f = open("hello.txt", 'r') 1 print(f.tell()) # 0 3 print(f.read(2)) # He f.seek(0) # seek will change the position print(f.read()) # Hello, Hi How are you 5 Run: Eg8 × C:\Users\lenovo\AppData\I 0 ₽ He <u>=</u>+ Hello, Hi How are you



File Created Here Day27_FileHandling ant.txt bat.txt Eg1.py Eg2.py Eg3.py Eg4.py Eg5.py Eg6.py Eg6.py Eg6.py Eg9.py Eg9.py Eg9.py Leg9.py L