

Day 16 (22/08/23): (Create, read, update, delete)

Data Handling (File Handling):

CRUD - Create, Read, Update, Delete.

1) Creation:

Creating New File.

Code:

```
f=open("aug22.py","x") #add x--> to create a new files
print("Debug Information: File Created Successfully")
```

Output:

Debug Information: File Created Successfully

2) Read:

Reads the data inside a file.

Code:

```
f=open("aug22.txt","r") #r--> to read the file
data1=f.read()
print(data1)
print(type(data1))
```

Output:

paid, unpaid, paid, unpaid, paid, unpaid
<class 'str'>

Type Conversion:

Use type conversion to create a list containing the data of the file

Split ():

Split is used to separate the data from the file.

Code:

```
x=data1.split(",")
print(type(x))
```

Output:

To List:

['paid', ' unpaid', ' paid', ' unpaid', ' paid', ' unpaid']

Chatgpt reduced:

```
def extractdata():  
    with open("aug22.txt", "r") as f:  
        data1 = f.read()  
  
    x = [i.strip() for i in data1.split(",")]  
  
    paid = [i for i in x if i.strip() == "paid"]  
    unpaid = [i for i in x if i.strip() == "unpaid"]  
  
    print(f"paid --> {len(paid)}")  
    print(f"unpaid --> {len(unpaid)}")
```

extractdata()

a (Append a File):

Add a new data to a document.

Code:

```
f=open("aug22.txt","a")  
f.write(", unpaid")  
print("Data Added Successfully")
```

Output:

Data Added Successfully