

File IO

29 January 2025 10:15

io module --

1. Open = file is loaded from HDD/SSD to the BUFFER in RAM
Open in append mode or write mode
2. Read /write = Get data from the BUFFER in our process space
3. Close = the BUFFER in RAM is released

Backend programming uses File IO.

Front end always runs on BROWSER --- is on client machine

Browser Security - does not permit the front end code to store ANYTHING on client machine (NOT on HDD/SSD)

Front end can only work in RAM So at max it can work with IN- RAM Databases

f = open("./quotes.txt","r+")

```
s = input("enter a string ")
x=0
line="start"
count=0
while line != "":
    print("here")
    line= f.readline()
    print("the line is : ",line,len(line))
    if "prachi" in line:
        print("count",count)
        count+=1
        x= f.tell() + len(line)
```

```
f.seek(x)
f.write(s+"\n")
```

File

Line1	<---- cursor Readline()
Line2	<---cursor
Line3	<----cursor

<---- cursor EOF

HW ----

---POPULATE PASSWORDS

Accept uname=password , add this to a file passwords.txt

Add until user enters -1 for uname

----- function fetch all the unames and passwords in dictionary from the file

---- Def login():

Accept uname and password

And check if they match as per dictionary

If yes print login success else login fail

--- changePassword

Accept uname and password --- check if valid

Accept new password

Change in dictionary and change in FILE