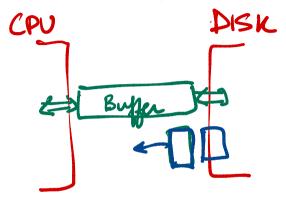
Lecture 16, 15 October 2024

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Programming and Data Structures with Python

File Input Output



Interact who buffer "File handle"

1. Open file Create file handle

- 2. Read (unte to file table
- 3. Close fole

Open file

Text files
Sequental
access
lega to end

Read from file handle

Ph. readline () Read one line (includes trailing "In") fh. reallnes[) -> List of lines fh= open("abc.txt", "r")
for lin fh. readlines():

Close file handle

fh.close()

"Disconnects file"

Write

fh=open("xy2","w") Create or reunte fh = spen("xyz", "a") Appar to end

fh. wntelines () Whate a list of Stripe

```
infile = open ("abc", "r")
        outfile = open ("xyz", "w")
for lin infile.read()
has in outfile.write(l)
                                 has In
       infile-check)
outfile chose ()
```

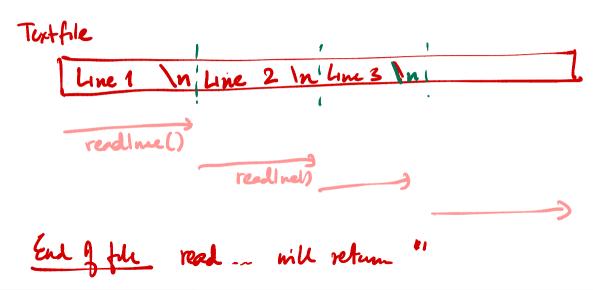
infile =
outfile =
contents = fh. readlines()
fh. wntelines (contents)

Go to a specific position

fh.seek (-)

2/2

Sequentina



Numpy

Library to handle matrices

$$m = \begin{bmatrix} 0 & 1 \\ 1 & 0 \end{bmatrix}$$





Aways in mungy

> create nupy oras Pytron Sequence m[1,2]~> m [1752] m * 3Scalar multiplicate "Broadcost"