

Files ❤️

Modes

'r' to read

'w' to overwrite

'a' to append

Open file before contents must be read

Files must be closed when you're done

- ☐ When you choose read you can only read and not write
- ☐ When you choose 'w' or 'a' these are write modes

Options for read functions

1 line) Generally we just say f.readline without the brackets - that reads out the entire line for you

- ☐ Readlines returns a **list** whereas readline returns a **string**
- ☐ Can use a **loop** to iterate over the file reading one line at a time **similar to f.readline()**
- ☐ There's four different ways to read from a file. Which one to use depends on the problem. Sometimes its better to use read and vice-versa
- ☐ When you've got readline - you're reading the lines one at a time and not storing those lines, you dont need to keep track of what was happening in those lines
- ☐ Readlines - stores all the lines you, can go and access the lines at anytime
- ☐ If you need the lines later on use readlines
- ☐

Difference between the two(readline and readlines) is storage

- ☐ Only use readlines if you really need to because it may fill up memory with info
- ☐

Each line end with a new line (\n)

- ☐ If you know the number of lines then you may use readline otherwise use loop

You can manipulate your list with readlines and this will not affect your file

Summary

Read - reads entire content

Readline - read one line at a time

Readlines - read entire contents one line at a time into a list

For Loop - read one line at a time through iterating

Database - a file that stores information that could be manipulated efficiently

'W' opens the file and then deletes the contents in the file.

Deleted the contents and allows you to write to the file.

If the file is not there it'll create a new file for you to write to the file

'a' similar to 'w' but does not delete information adds information at the end of the file

Always close the file

When you write to the file it doesn't write directly to the file it writes to the buffer as the buffer gets full it adds it to the file

If you didn't close the file ,it sometimes won't add the info to the file be careful and always close the file.

Writelines - writes a list of data to a file