## File Handling

Python has several functions for creating, reading, updating, and deleting files.

Open() – takes two arguments, filename and mode. There are four different methods (modes) for opening a file.

"r" - Read - Default value. Opens a file for reading, error if the file does not exist

"a" - Append - Opens a file for appending, creates the file if it does not exist

"w" - Write - Opens a file for writing, creates the file if it does not exist

"x" - Create - Creates the specified file, returns an error if the file exists

"t" - Text - Default value. Text mode

"b" - Binary - Binary mode (e.g. images)

## Write() – content will be written in the file

Graphical user interface

Description automatically generated with medium confidence

Output:

Graphical user interface, text, application

Description automatically generated

## Read([5])— Read and Return specified number of characters from the file

## 

## Read()— Read entire contents of the file

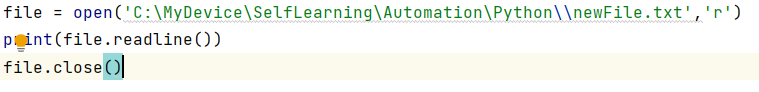
A picture containing text

Description automatically generated

Graphical user interface, text, application, chat or text message

Description automatically generated

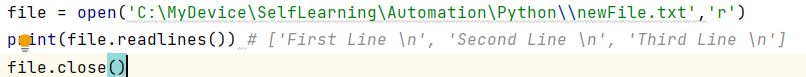
## Readline () — returns the next line of the file



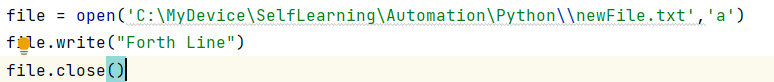
A picture containing text, orange

Description automatically generated

## Readlines()—read all the lines of the file and display in array list.



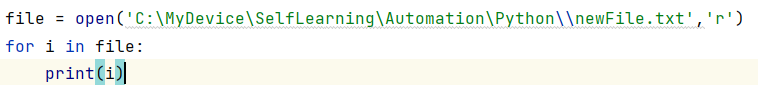
## A—Append the file



Graphical user interface, text, application

Description automatically generated

## Loop

 Text

Description automatically generated

rstrip(): This function strips each line of a file off spaces from the right-hand side.

lstrip(): This function strips each line of a file off spaces from the left-hand side.

Close()— close the file

Delete a file — To delete a file, you must import the OS module, and run its os.remove() function

Graphical user interface, text, application, chat or text message

Description automatically generated Graphical user interface

Description automatically generated with low confidence

## Check if File exist

import os  
if os.path.exists("demofile.txt"):  
 os.remove("demofile.txt")  
else:  
  print("The file does not exist")

## Delete Folder

To delete an entire folder, use the os.rmdir() method:

import os  
os.rmdir("myfolder")