

open()

open() ("filename","mode",encoding="UTF-8")

modes

"r" - Read (default)	opens a file for reading, error if doesn't exist
"a" - Append	opens a file for appending, creates the file if doesn't exist
"w" - Write	opens a file for writing, creates the file if doesn't exist
"x" - Create	creates the specified file, error if the file exists
"t" - Text (default)	Text mode
"b" - Binary	Binary mode
"+" - Read and Write mode	opens a file to read or write

Examples "r+" "a+b" "w+b"

read()

read() open() must have a read() method before.

file.read()

file.read(5) reads the first 5 characters

readline()

file.readline() returns one line of the file

file.readline(5) reads the first 5 characters of the line

file.readline() / file.readline() calling readline two times, reads the two first lines

readlines() returns a list, each item is a line as a string

for line in file loops through the chars or lines of the file
use .strip() to remove "\n"

write()

write() open method "a" will append to end of file

open method "w" will overwrite the entire file

file.write("text")

create a new file open method "x" will create a file, error if it exists

open method "a" will create a file if doesn't exist

open method "w" will create a file if doesn't exist

writelines() turns iterable object(lists,tuples,dict...) into lines in the file

pointers

seek(offset,whence=0)) changes the file position

file.seek(4) change the pointer to the 4 file position

[whence=] is optional, 0 is 0=start of file, 1=current position, 2= file's end

tell() finds the file position

file.tell() returns the file position

close()

close() always close the file when done

file.close()

Modules

import os OS module

os.rename("oldname.txt", "new_name.txt")

os.remove("file.txt")

os.path.exists("file.txt") or os.path.isfile() returns True or False

os.path.getsize("file.txt") return

os.path.getmtime("file.txt") returns a timestamp

os.path.abspath("file.txt") returns Absolute Path

os.getcwd show current working directory

Modules (cont)

<code>os.mkdir("new_dir")</code>	create new directory in the current dir
<code>os.chdir("dir")</code>	change working directory
<code>os.rmdir("dir")</code>	removes empty directory / error if there is files in it
<code>os.listdir</code>	return a list of files e subdirectories in the dir
<code>os.path.isdir</code>	
<code>os.path.join</code>	
<code>import datetime</code>	Datetime Module
<code>datetime.date</code>	
<code>os.path module docs</code>	https://docs.python.org/3/library/os.path.html
<code>os module docs</code>	https://docs.python.org/3/library/os.html
<code>datetime module docs</code>	https://docs.python.org/3/library/datetime.html



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Page 2 of 2.

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