

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.read- line()	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 <i>use .strip() to remove "\n"</i>

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 default	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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