



# FILE HANDLING IN PYTHON

CEC-Swayam

# File

- We can store a collection of data which is referred to as File, on computers secondary storage device like the hard disk.

# Types of Files



Text File



Binary File

# Opening and Closing Files

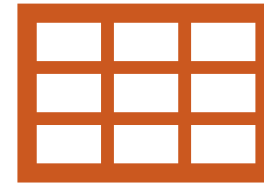
The open() function

```
file_object = open(<file-name>, <access-mode>)
```

# Mode



Indicates mode in which  
the file must be opened.



read, write and append

<b>MODE</b>	<b>PURPOSE</b>
r	This is the default mode and used for opening a file for reading only.
rb	Opens a file for reading only in binary format.
r+	Opens a file for both reading and writing.
rb+	Opens a file for both reading and writing in binary format.

<b>w</b>	<b>Opens a file for writing only.</b>
wb	Opens a file for writing only in binary mode.
w+	Opens file for both writing and reading.
wb+	Opens a file in binary format for both reading and writing

<b>a</b>	<b>Opens file for appending</b>
ab	Opens a file in binary format for appending
a+	Opens a file for both reading and appending
ab+	Opens a file in binary format for both reading and appending.



# File Object Attributes

Attribute	Value Returned
<code>file_object.closed</code>	Returns True if the file is closed and False if its open.
<code>file_object.mode</code>	Returns access mode with which file must be opened
<code>file_object.name</code>	Returns name of the file.

# The close() Method



The close() method is used to close the file object.



Syntax: **file\_object.close()**



# FILE -PART 2

# Writing Files

`write()` method

`writelines()` method

`append()` method

# Writing Files

`write()` method : The write method is used to write a string to a file which is already open. It does not add newline ("`\n`") to the end of the string

`writelines()` method is used to write a list of strings to an opened file.

`append()` method is used to add data to an existing file.

# Reading Files



`read()` method :Used to read a string from a file which is open.



`readline()` method: Used to read a single line from the file. It will return a empty string when a end offile is reached.



`readlines()` method: Used to read all the lines from a file.

THANK YOU