

# File Input & Output

☰ Chapter No.	12
▼ Status	Completed

▼ `open(filename, mode)` is used to open a file in python

▼ `filename` - name of the file being opened

- E.g. NUMBERS.txt

▼ `mode` - what the intent of opening the file is

▼ "r" - Read

- `Default value` if the mode is not specified
- Opens a file for `reading`
- `Returns an 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

▼ Common File Methods

▼ `f.read( )`

- Reads the contents of an opened file

▼ `f.readline( )`

- Reads one line of the opened file

▼ `f.close()`

- Closes the file

#### ▼ Using a FOR Loop to Read a File

```
f1 = open("DATA.txt", "r")  
  
for line in f1:  
    print(line)  
  
f1.close()
```