**File Handling in Python**

**Python too supports file handling and allows users to handle files i.e., to read and write files, along with many other file handling options, to operate on files**

**Open**

**Operation**

**Close**

**1 open**

**Before performing any operation on the file like reading or writing, first, we have to open that file.**

**f = open(filename, mode)**

1. **r: open an existing file for a read operation.**
2. **w: open an existing file for a write operation. If the file already contains some data then it will be overridden.**
3. **a:  open an existing file for append operation. It won’t override existing data.**
4. **r+:  To read and write data into the file. The previous data in the file will be overridden.**
5. **w+: To write and read data. It will override existing data.**
6. **a+: To append and read data from the file. It won’t override existing data.**

**Exception Handling in Python**

**Errors are the problems in a program due to which the program will stop the execution.**

**Two types of Error occurs in python.**

1. **Syntax errors**
2. **Logical errors (Exceptions)**

## Syntax errors

**When the proper syntax of the language is not followed then a syntax error is thrown**

**Logical Error or Exceptions**

**When in the runtime an error that occurs after passing the syntax test is called exception or logical type.**

**ImportError, TypeError, IndexError etc**

**In order to handle this error we need exceptional handling**

**Try**

**Except**

**finally**