**Python**

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Div A Roll No:3

**Experiment 3**

**Aim:** Exploring files

**Theory:**

**Python File**

The key function for working with files in Python is the open() function.

The open() function takes two parameters; filename, and mode.

There are four different methods (modes) for opening a file:

1] "r" - Read - Default value. Opens a file for reading, error if the file does not exist

2] "a" - Append - Opens a file for appending, creates the file if it does not exist

3] "w" - Write - Opens a file for writing, creates the file if it does not exist

4] "x" - Create - Creates the specified file, returns an error if the file exists

## Syntax

f = open("demofile.txt")

# File Write

## **Write to an Existing File**

To write to an existing file, you must add a parameter to the open() function:

"a" - Append - will append to the end of the file

"w" - Write - will overwrite any existing content

## **Create a New File**

To create a new file in Python, use the open() method, with one of the following parameters:

"x" - Create - will create a file, returns an error if the file exist

"a" - Append - will create a file if the specified file does not exist

"w" - Write - will create a file if the specified file does not exist

## **Delete a File**

To delete a file, you must import the OS module, and run its os.remove() function: