**Practical No: 19**

**Aim:** File Input/output: Write a program to : To create simple file and write “Hello World” in it. To opens a file in write mode and append Hello world at the end of a file.

**Course Outcome:** Develop ‘Python’ programs using File Input/outputoperations.

**Requirements: Computer, Python 3.3.34, Vs Code.**

**Theory:**

1. **Write Only (‘w’) :** Open the file for writing. For existing file, the data is truncated and over-written. The handle is positioned at the beginning of the file. Creates the file if the file does not exists.

Append and Read (‘a+’) : Open the file for reading and writing. The file is created if it does not exist. The handle is positioned at the end of the file. The data being written will be inserted at the end, after the existing data.

## Writing to file

There are two ways to write in a file.

1. **write() :** Inserts the string str1 in a single line in the text file.
2. File\_object.write(str1)
3. **writelines() :** For a list of string elements, each string is inserted in the text file. Used to insert multiple strings at a single time.
4. File\_object.writelines(L) for L = [str1, str2, str3]

**Note:** ‘\n’ is treated as a special character of two bytes.

#### Appending to a file

When the file is opened in append mode, the handle is positioned at the end of the file. The data being written will be inserted at the end, after the existing data. Let’s see the below example to clarify the difference between write mode and append mode.

**Flowchart:**

**Program:**

file1 = open('myfile.txt', 'w')

s = "Hello\n"

L = ["World\nThis is Dhiraj\n"]

# Writing a string to file

file1.write(s)

# Writing multiple strings

# at a time

file1.writelines(L)

# Closing file

file1.close()

file1 = open('myfile.txt','a+')

file1.write("Hello World")

file1.close

**Output/Result:**

**Myfile.txt:**

Hello

World

This is Dhiraj

Hello World

**Conclusion:** In these practical we have first created a file in the write only mode. In this mode we can create a file and write to that file from the first line if any content Is present, it will replace that content. Then we have closed that file and opened it in the append mode to write hello world in the last of the file. Hence, we have written the content in the file .