

## MODULE -3

So far we have covered how to open a text file, read the text, counting the words and closing the file. Now in this module we will learn how to read multiple text files by using single text file.

Let us see an example to read the text from multiple files

### Worked out example :

We have a file '*list.txt*' having text one file name *file1.txt* and *file2.txt*. Some text has been included to those two files.

Write a program to read the text in *file1.txt* , *file2.txt* and print the text.

*list.txt* contains following text :

**file1.txt**

**file2.txt**

*file1.txt* contains following text:

**This is file1. Here I am adding some text.**

*file2.txt* contains following text:

**This is file2. Here I am adding some more text.**

### Algorithm :

1. open file *list.txt* which has file names
2. read text line by line
  - a. Again open file with every line (every line is file name)
  - b. Read entire text and print on the console
  - c. Close file
3. Close *list.txt* file

### Output:

**This is file1 Here I am adding some text.**

**This is file2. Here I am adding some more text**

### Exercise problems:

- 1) Read a file name "list.txt" which has several file names. Count number of words in each file.
- 2) Read a file name 'list.txt' which has several file names. Each file is a chapter in a Telugu text book. Count the number of words in each file, as well as the total number of words in all the files.

### Algorithm for the Program 2:

1. Open the “list.txt” file
2. Read the “list.txt” file and assign the text to a variable
3. Split the entire text into a words and make it as list
4. Set totalWords to zero.
5. Do the following steps till the length of the list.
  - a. Open each file from list
  - b. Read entire text
  - c. Split the text of the file and count the words
  - d. Print number of words in each file.
  - e. Add count to totalWords
6. Print total number of words