

Experiment – 4: File Handling

Aim: To demonstrate python files and various operations that can be performed on these files.

Theory:

A file is a container in computer storage devices used for storing data. in Python, a file operation takes place in the following order:

- Open a file
- Read or write (perform operation)
- Close the file

Python treats files differently as text or binary. Each line of code includes a sequence of characters and they form a text file. Each line of a file is terminated with a special character, called the EOL or End of Line characters like comma {,} or newline character. It ends the current line and tells the interpreter a new one has begun.

Conclusion:

Task for submission:

(Write comments for every statement of the program)

1. Write a Python program that takes a text file as input and returns the number of words of a given text file.
2. Write a Python program to extract characters from various text files and puts them into a list.
3. Write a Python program to generate 26 text files named A.txt, B.txt, and so on up to Z.txt.
4. Write a Python program to create a file where all letters of English alphabet are listed by specified number of letters on each line.