

## **ACTIVITY FOR LEARNING**

### **CLASS XII**

**Subject:- Computer Science**

**Chapter:- File Handling**

Give Programs to the students during Lab Periods and ask them to write code and execute.

#### **Text Files**

1. Write a Python program to read an entire text file cbse.txt.
2. Write a Python program to read first n lines of a file cbse.txt.
3. Write a Python program to read last n lines of a file.
4. Write a Python program to read a file line by line and store it into a list.
5. Write a python program to find the longest words.
6. Write a Python program to count the frequency of words in a file.
7. Write a Python program to get the file size of a plain file.
8. Write a Python program to copy the contents of a file to another file .
9. Write a Python program to read a random line from a file.
10. Write a Python program to create a file where all letters of English alphabet are listed by specified number of letters on each line.

#### **CSV Files**

1. Write a Python program to read each row from a given csv file and print a list of strings.
2. Write a Python program to read specific columns from a "department.csv" file and print the content of the columns, department id and department name.
3. Write user-defined functions to perform read and write operation onto a student.csv file having fields as roll number, name and marks.
4. Write a menu-driven program implementing user-defined functions to perform different functions on a csv file "student" such as:
  - (a) Write a single record to csv
  - (b) Write all the records in one single go onto the csv.
  - (c) Display the contents of the csv file.

#### **Binary Files**

1. Create a binary file with name and roll number. Search for a given roll number and display the name, if not found display appropriate message.
2. Create a binary file with roll number, name and marks. Input a roll number and update the marks.
3. Create a binary file "employee" that stores the records of employees and display them one by one.
4. Display the records of all those employees who are getting salaries between 25000 to 30000.
5. Program to insert/append a record in the binary file "student.dat".