NOTE:
FILE HANDLING IS BEING ASKED FOR 13 MARKS AS PER THE LATEST CBSE PATTERN
- **QUESTION 3 : 1 MARK QUESTION**
- **QUESTION 23 : CSV FILES CASE STUDY BASED QUESTION - 4 MARKS – 4 OUT OF 5 PARTS TO BE ATTEMPTED**
- **QUESTION 35 : TEXT FILES BASED QUESTION WITH AN INTERNAL CHOICE - 3 MARKS**
- **QUESTION 40 : BINARY FILES BASED QUESTION WITH AN INTERNAL CHOICE - 5 MARKS**

TEXT FILES: BASIC ACCESSING METHODS

Read a text file 'Story.txt' and write functions to perform the following:

a) Display the file character by character. [use read()]
b) Display the file word by word. [use read() & split()]
c) Display the file line by line [use readline() or readlines()]

TEXT FILES: CHARACTER ACCESS AND MANIPULATION BASED CODE PROBLEMS

a) Display the total number of characters stored in the file.
b) Display the first five characters from the file.
c) Display the total number of upper case letters stored in the file.
d) Display the total number of lower case letters stored in the file.
e) Display the total number of digits stored in the file.
f) Display the total number of special characters stored in the file.
g) Display the total number of spaces stored in the file.
h) Display the total number of vowels stored in the file.
i) Display the total number of consonants stored in the file.
j) Display the total number of times the letter 'a' and 'A' is stored in the file separately.
k) Display the combined count of the letter 'a' and 'A' stored in the file.
l) Copy all the upper case letters stored in the file to another text file 'upper.txt' and all the lower case letters stored in the file to a text file 'lower.txt'.
m) Copy all the upper case and lower case letters after converting them to lower case and upper case respectively to a second text file 'toggle.txt'.
n) Display the alternate characters stored in the fiel.
o) Display the file contents such that upper case letters are displayed as lower case letters and vice versa.
p) Display the file such that all characters are displayed as they are whereas the spaces are displayed as '#'.

TEXT FILES: WORD ACCESS AND MANIPULATION BASED CODE PROBLEMS

a) Display the total number of words stored in the file.
b) Display the first five characters from the current line in the file.
c) Display the count of the word 'the' present in the file. [try case sensitive match too]
d) Display the combined count of the words 'this' and 'these' present in the file. [try separate count too]
e) Display the count of the words that begin with a vowel.
f) Display the count of the words that end with a vowel.
g) Display the words that begin with the letter 't' or 'T' as well as their count.
h) Display only the four letter words from the file.
i) Display the words in reverse.
j) Display the alternate words stored in the file.

k) Display the shortest and the longest word in the file.
l) Display the average word size.
m) Copy all the words that begin with a vowel to a file 'vowel_word.txt'.

TEXT FILES: LINE ACCESS AND MANIPULATION BASED CODE PROBLEMS

a) Display the total number of lines stored in the file.
b) Display only those lines that begin with the letter 'A' or 'T'.
c) Display the shortest and the longest line in the file.
d) Display the average line size.
e) Copy all the lines that end with a vowel to a file 'vowel_line.txt'.
f) Display the alternate lines in the file.
g) Display the alternate words line-wise.

TEXT FILES QUESTIONS: SQP CBSE 2021

QUESTION NO.35 - 3 MARKS

TWO PARTS WITH AN INTERNAL CHOICE

Write a function in Python that counts the number of "Me" or "My" words present in a text file "STORY.TXT".

If the "STORY.TXT" contents are as follows:

My first book

was Me and

My Family. It

gave me

chance to be

Known to the

world.

The output of the function should be: Count of Me/My in file: 4

OR

Write a function AMCount() in Python, which should read each character of a text file STORY.TXT, should count and display the occurrence of alphabets A and M (including small cases a and m too).

Example: If the file content is as follows:

Updated information

As simplified by official websites.

The AMCount() function should display the output as:

A or a:4

M or m :2