

## Files Assignment Programs

1. Write a Python program to read last n lines of a file.
2. Write a python program to find the longest words in a file.
3. Write a Python program to count the frequency of words in a file.
4. Write a Python program to count the frequency of words in a file.
5. Write a Python program that copies one file to another, replacing all lower characters by their upper case equivalents.
6. A file contains information about the employees of an organization. The information includes employee number, salary and age. Write a Python program to count the number of records in that file and also print the employee numbers for those who are getting salary less than Rs.4500 and aged more than 35.
7. Two data files LADIES and GENTS contain sorted list of names of girls and boys in a class respectively. Write a Python program to produce a third file STUDENTS which holds the merged list of the two given files in alphabetical order.
8. A file contains the records of a class of students. Each record has students' names and responses for 10 objective type questions. The correct answers are F, T, T, T, T, F, T, F and T. A correct answer has 1 mark and a wrong answer has -0.5 marks. Write a Python program to print the names of the students who have secured more than 5 marks. (T –True , F – False).
9. A file VOCABALARY contains 1000 words. Write a Python program to write in another file WORDS, the words beginning with the character S or s from the 1000 words.
10. Write a Python program to write text into a file that specifies formatting for the given text. This formatting can be BOLD, ITALIC, UNDERLINED or STRIKE-THROUGH. The input text must have at least one of the 4 formats. There can also be 2 or more combination of formats. But same format cannot appear again in the combination.

For example, if the input text is "Programming and Data Structures" and the specified format is BOLD and UNDERLINED, the output file must represent this as <BOLD><UNDERLINED>Programming and Data Structure</BOLD></UNDERLINED>. Each format must be represented using <format> to indicate the start and must terminate with </format> to indicate the end of the format.

Another Example:

Input: "Happy New Year" with format BOLD and UNDERLINED

"Have a Great Year" with format ITALIC

Output: <BOLD><UNDERLINED>Happy New Year</BOLD></UNDERLINED>

<ITALIC>Have a Great Year</ITALIC>

Like this you can give any number of text lines as input.

11. Write a Python program to create an array of union with field names id-no, cadre, salary and section. Print the names in alphabetic order.
12. Write a Python program to compute the monthly pay of 100 employees using each employee's name, basic pay and number of days gone on leave. The DA is computed as 120% of basic pay. The number of days gone on leave exceeding 10 are considered earned leave and salary for that period is deducted from salary (Basic pay + DA). Print the name and the salary list sorted by name.