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| **Problem Statement Title** | **Text File Word Sorting Program** |
| **C programming Concept** | File Handling \_ Input and Output |
| **Additional Programming Concepts** | Sorting |

**Introduction:**

1. Write a C program that sorts words alphabetically and displays their frequency of occurrence in the given text file based on the following conditions.
   1. Validate the input text file contains an even number of lines. If not, prompt the user for a file with an even line count.
   2. For every pair of consecutive lines in the text file, sort the word alphabetically along with their frequency.
   3. Display the sorted words and their frequencies to the standard output.

**Input : Consider a text file file.txt having below content.**

Two little dicky birds  
Sat on a wall,  
One called Peter,  
One called Paul.   
Fly away, Peter,  
Fly away, Paul  
Come back, Peter,  
Come back, Paul.

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| Sample Input | Sample Output |
| Two little dicky birds Sat on a wall, | a – 1  birds -1  dicky -1  little -1  on -1  sat -1  Two -1  Wall -1 |
| One called Peter, One called Paul. | Called – 2  One -2  Paul -1  Peter-1 |
| Fly away, Peter, Fly away, Paul | away -2  Fly -2  Paul -1  Peter-1 |
| Come back, Peter, Come back, Paul. | back -2  Come – 2  Paul -1  Peter-1 |

**Output: Sorting the words and their frequency of each pair of lines.**