



Day 19: File Handling Level - 1

1. **File Reading and Writing:** Create a text file named `students.txt` and write five lines of student names. Write a function to read the file and print each name.
2. **Counting Lines in a File:** Write a function that reads any text file and counts the number of lines it contains. Test this on `students.txt`.
3. **Word Frequency Counter:** Write a program that takes a file `essay.txt` and counts the frequency of each word in it.
4. **Finding Longest Line:** Write a function to find and display the longest line in a text file, along with its length.
5. **Copying Content to Another File:** Create a program that reads from `students.txt` and writes each line to a new file `students_copy.txt`.
6. **Appending Data to a File:** Write a function that takes a list of new student names and appends them to `students.txt`.
7. **Reading Only Specific Lines:** Write a program that reads and displays the first three lines of `students.txt`.
8. **Writing Even/Odd Numbers:** Create two files, `even.txt` and `odd.txt`. Write a function to generate numbers from 1 to 100, saving even numbers in `even.txt` and odd numbers in `odd.txt`.
9. **Removing Blank Lines:** Write a function that removes any blank lines from a file named `content.txt` and saves it back without the blanks.
10. **Character Frequency:** Write a function that reads a text file and counts the occurrences of each character.