CCS1063 | CSE1062 Fundamentals of Programming

- Lab Sheet 09 -

1. Write a C program that takes two file names as input and copies the content of the first file into the second file using fread() and fwrite() functions.
2. Create a program that counts the number of lines in a text file. Use fopen() and fgetc() to read the file character by character and count the newline characters to determine the number of lines.
3. Write a program that appends a user-provided string to the end of an existing text file using fopen() in append mode.
4. Implement a simple file encryption program that reads a text file, encrypts its contents, and writes the encrypted data back to another file. Use fread() to read and fwrite() to write, and apply a basic encryption algorithm of your choice.
5. Create a program that reads data from a CSV file using fscanf() and displays it in a structured format. The CSV file contains rows and columns of data separated by commas.
6. Build a program that allows random access to a binary file containing records. Use fseek() to jump to specific positions within the file and fread() to read records at those positions.
7. Write a C program that searches for a specific word or phrase in a text file. Use fopen(), fread(), and string manipulation functions for this task.
8. Create a program that merges the content of two sorted text files into a single sorted text file. Use fscanf() to read data from the input files and fprintf() to write data to the output file.
9. Develop a program that reads a large text file and splits it into smaller files with a specified number of lines each. Use fopen() and fprintf() to create and write to the smaller files.
10. Build a program that reads binary data from a binary file and converts it into human-readable text format. Use fread() to read binary data and fprintf() to write it in a text file.