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| **LAB101 Assignment** | **Type:** | **Short Assignment** |
| **Code:** | **C.S.P0048** |
| **LOC:** | **59** |
| **Slot(s):** | **1** |

**Title**

File reading – writing practice.

**Background**

N/A

**Program Specifications**

Implement a program with the following ordered functions:

* Users input a text file’s name.
* Users input file’s content (Enter to end inputting).
* Users view file’s content.

***Function details:***

1. Function 1: Ask users to input the file’s name.

* Users run the program, and the program asks users to input a file’s name.
* Perform Function 2.

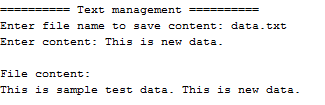
1. Function 2: Ask users to input file content.

* The program asks users to input the file content. Users press Enter key to end the inputting.
* The content is written into the file:
  + If the file does not exist: create a new file with the inputted file name, and then write the content to the file
  + If the file is already existed: append new data to the existing content.
* Perform Function 3.

1. Function 3: Display file content.

* The program reads the content from the file.
* Display the read content to the screen.

***Expectation of User interface:***



*\* “This is sample test data. ” is the content in data.txt.*

**Guidelines**

Use the fread() and fwrite() in the stdio.h library for reading and writing activities.

*\* Students should use the given dump\_line() function to clear buffer after scanf() function (dump\_line(stdin)).*

*Use bubble sort algorithm to sort the array.*