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| **LAB211 Assignment** | **Type:** | **Short Assignment** |
| **Code:** | **J1.S.P0069** |
| **LOC:** | **33** |
| **Slot(s):** | **1** |

**Title**

Input, sort and display student information.

**Background**

N/A

**Program Specifications**

Write a program to read and write file as below:

* Enter file name.
* Enter file content.
* Write content to file.
* Read content from file and display on screen.

***Function details:***

**Function 1:** Display GUI and Input Data.

* User run program. Program prompts user to input data.
* Auto next to **Function** **2**.

**Function 2:** Perform function

* Program write to file, read from file, display file content on screen when required. Display message and exit program.

***Expectation of User interface:***

============ Writer Program ===============

Do you want to write file? (Y/N or y/n):

Please enter file path: test.txt

Save file with content <save> or <SAVE>

Please enter file content:

Content file

Do you want to read file? (Y/N or y/n):

Please enter file path: test.txt

File content

Read file successfully.

1

2

3

4

**Guidelines**

**Student must implement methods**

* writeFile
* readFile

**in startup code.**

**Hint:**

User runs the program:

* Write file: program display message to ask if user want to write to file or not.
  + If yes, perform file writing:

Program requests user to enter file path, write content to file and performs Function 1 and switch to file reading.

* + If not, switch to file reading.
* Read file: program continues to ask if user want to read from file or not.
  + If yes, perform file reading:

Program requests user to enter file path and perform Function 2 and exit the program.

* + If not, exit program.
* To implement Function 1, use the following classes in IO package: FileWriter, File, BufferedWriter
* To implement Function 2, use the following classes in IO package: FileReader, File

**Function 1:** Write content to file

* Method name: public boolean writeFile(String path, String content)
  + Input:
* path: path of the file.
  + Return: status of file writing operation.

**Function 2:** Read file content.

* Method name: public String readFile(String path)
  + Input:
* path: path of the file.
  + Return: content of file.