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.
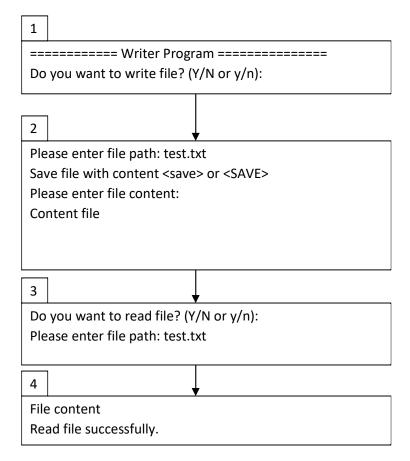- Read content from file and display on screen.

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:

1

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

2

```
Please enter file path: test.txt
Save file with content <save> or <SAVE>
Please enter file content:
Content file
```

3

```
Do you want to read file? (Y/N or y/n):
Please enter file path: test.txt
```

4

```
File content
Read file successfully.
```

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.

    o   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.
    o   If not, switch to file reading.

- Read file: program continues to ask if user want to read from file or not.

    o   If yes, perform file reading:

    Program requests user to enter file path and perform Function 2 and exit the program.
    o   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
   o   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.
   o   Method name: public String readFile(String path)

   - Input:

      ➢ path: path of the file.

   - Return: content of file.