

Problem Statement

write a ctt program that creates an output file, writes information to it, closes the file open it again as an i/p file & read the information file from the file

- bectives : To learn the concept of file handling
- Outcomes: Emplement reading & withing to the file wing our concepts.
- Ha
- Hardware requirements:

Monufacturer & model. Acer Swiff-3 (intel 15 8th gen) Installed Memory: 8GB RAM, SIZGB SSD

Architecture: 64-bit

# Soffware Regurements:

Operating system: windows to home single language.

IDE: codeblock version: 20.0]

compiler: gt (version: 10,1,0)

stream! It is a sequence of bytes. If acts as sources from which the input data can be obtained @ as a destination to which the output data can be sent. ip speam: used to hold ip from data producers. entput stream: used to hold o/p too particular daity consumes.

data type	description
	represent output file stream & used to create files
ofs ream	to write information to file.
1'fs beam	expresent input file stream trusted to sead info:
	from files.

Classmate Page

# following represent file system goverally.

file opening modes:			
,	mode Flag	pesaipteu strange son a ser a ser	
	105: app	append mode	
B	los:afe	open file & more control to end of file	
	101:1n	open file for reading	
de	105: aut	open file for writing	
	105: Frank	if file already exists, its contents will	
-		be truncated before opening the file.	
,			

# seudo code:

# westing to file!

- i. open file. In write mode
- 2. get information from wer
- 3. write that information to file.
- 4. Close the file color manner the pollower

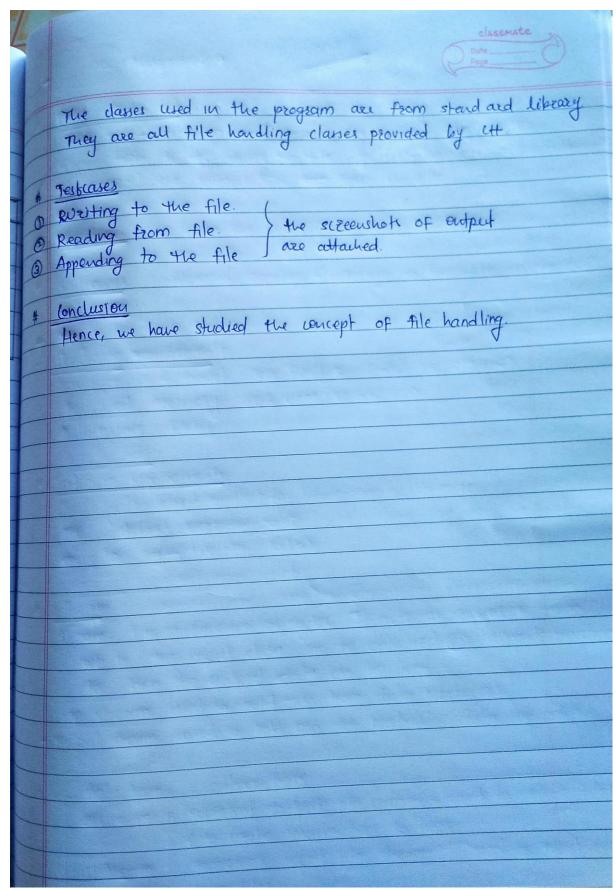
# Reading from file:

- 12 open file in read mode
- 2. it exate through each line of file
- 3. print each line of file.
- 4. close the file so do do

#### App

# Append to the file:

- 1. open file in append mode
- 2. get information from user
- 3 append information to file.
- 4. dose the file.



# **Input and Output Demo:**

Writing to the newly created file:

```
Enter
0 to exit
1 to write to a file
2 to append to file
3 to read from file
:1
How many users: 2
Enter name: Lanson
Enter email: lanson.gray@hotmail.com
Enter name: Marigrane
Enter email: mari.lasi@gmail.com
```

Appending to an existing file (appending to the same file created above):

```
Enter
0 to exit
1 to write to a file
2 to append to file
3 to read from file
:2
How many users: 1
Enter name: Tom
Enter email: tom.leinghton@mit.edu
```

```
File before appending:
 User id: 0
 Name: Lanson
 Email: lanson.gray@hotmail.com
 User id: 1
 Name: Marigrane
 Email: mari.lasi@gmail.com
```

File after appending:

```
User id: 0
Name: Lanson
Email: lanson.gray@hotmail.com

User id: 1
Name: Marigrane
Email: mari.lasi@gmail.com

User id: 2
Name: Tom
Email: tom.leinghton@mit.edu
```

### Reading from file:

```
Enter
0 to exit
1 to write to a file
2 to append to file
3 to read from file
:3
 ~~~~~Reading From the File~~~~~
User id: 0
Name: Lanson
Email: lanson.gray@hotmail.com
User id: 1
Name: Marigrane
Email: mari.lasi@gmail.com
User id: 2
Name: Tom
Email: tom.leinghton@mit.edu
```

#### Thank you.