

Assignment – 04

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Subject: OOP Lab

Roll No: 21118

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Batch: E-1

Problem Statement:

Write a c++ program that creates an output file, writes information to it, closes the file, open it again as an input file and read the information from the file.

Source Code:

Source code file(.cpp) is provided with this document as attachment.

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

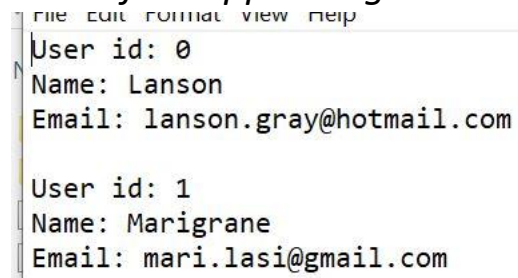
Enter name: Marigrane
Enter email: mari.lasi@gmail.com
```

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.leighton@mit.edu
```

File before appending:

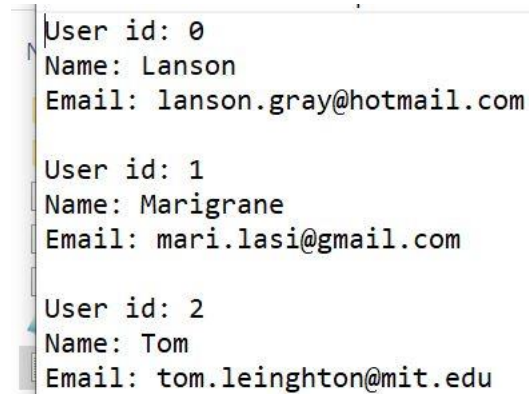


A screenshot of a text editor window with a menu bar (file, edit, format, view, help). The text content shows two user records. The first record has 'User id: 0', 'Name: Lanson', and 'Email: lanson.gray@hotmail.com'. The second record has 'User id: 1', 'Name: Marigrane', and 'Email: mari.lasi@gmail.com'. The cursor is at the end of the first record.

```
file edit format view help
User id: 0
Name: Lanson
Email: lanson.gray@hotmail.com

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

File after appending:



A screenshot of a text editor window showing the same two user records as before, plus a third record. The third record has 'User id: 2', 'Name: Tom', and 'Email: tom.leighton@mit.edu'. The cursor is at the end of the third record.

```
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.leighton@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.leighton@mit.edu

Enter
```

Thank you.