CS121 Lab6
FA2023
streller

PROBLEM STATEMENT:

Write a program that will search a file for a specified id number. If the id number is found, the person's name is printed to the terminal. If the id number is not found, no such person with that id is printed to cout stream. In this case, the user will then be given the option to write the person's info to the file

CODE:

You are to create a project/file for this lab named Lab6 for the project name and lab6_driver.cpp for the driver.
Read the posted text file to see the file your program will read; any size file in that form may be used
The file structure will be an id number followed by a name. The name maybe on the same line as the id or on the next line
Open the file in a function – error check
open any file requested
use functions.
Get the requested id in a function
Pass the file handle (by reference) to a function which will read and search the file
This function will also output whether the id is found and if it is found, will display the name.
If the name is not found, the user will have the option to have their name and id added to the file.
As usual, the program must loop until the user desires to quit.

Clearly, the file is to be a read/write file.

Once you have read a file, how does one get back to the beginning of the file for the next read?
You must add the code:

```
inOutFile.seekg(0L, ios::beg);
```

where inOutFile is the file handle.

Once you have read the file to the end (i.e. past eof()), certain bits are set and you cannot read/write the file until the bits are reset. Thus, after every read you need the code

```
inOutFile.clear();
```

In short, after every file read, you must have the code

```
inOutFile.clear();
inOutFile.seekg(0L, ios::beg);
```

in that order.

DELIVERABLES:

A hard copy of the completed cs121Lab6_driver.cpp on

24 October 2023 in lab

The executable file(from the release folder) and your source code, with the output of a sample run pasted at the end of your source code in a zip file named

Lab6_YourLASTNAME.zip

This zip is to be submitted to Brightspace.
(Go to Lab Submissions, cs121_Lab6Ans and upload your zip)
The electronic submission is due at 1:00pm Tuesday 24 October 2023