CSCI 275 Assignment #3 Due: Saturday 2/12/22

Late: Saturday 2/19/22 (10 pt penalty)

Points: 60

#### Task:

This program practices file IO, strings, and functions.

# Input:

Data is read from input file **records.txt** attached to the Brightspace assignment. There is an unknown number of records. For each records, there is a resident name, street address, town address, property worth and resident birthdate.

Joseph Nolan 112 Main St. Alfred, ME 04002 132566.75 01/13/1948

#### Output:

The final report should be sent to an output file named **letters.txt**. It may be easier to first send output to the monitor until the final run. Note the seniors (age  $\geq$ = 65) have a quarterly payment schedule while others pay taxes two times per year.

Each town has a separate new tax rate:

Alfred 0.035 Sanford 0.030 Lyman 0.038

```
Dear Resident Nolan:
In 2021 your property at Main St. was assessed at $132566.75
The tax rate will be increasing to 3.50% for 2022.
Given your age of 74, you are eligible for the senior payment schedule
Due
       Amount
Mar 15 $1159.96
Jun 15 $1159.96
Sep 15 $1159.96
Dec 15 $1159.96
Sincerely, The Alfred Town Office
Dear Resident Candel:
In 2021 your property at Hollowpoint Lane was assessed at $215678.00
The tax rate will be increasing to 3.00% for 2022.
Due
       Amount
Jun 15 $3235.17
Dec 15 $3235.17
Sincerely, The Sanford Town Office
```

# **Required Functions:**

1. Use the function prototypes as listed to practice with references. An IO stream is always passed by reference.

- 2. No global variables/objects may be used.
- 3. No break or continue out of loops; the loop should end when the loop test is false.

#### Submission:

Upload the source code file with extension .cpp to Brightspace. I will download and run it for testing. Note: Code is not accepted that does not compile.

# **Need Help?**

- 1. Email your question with your attached .cpp source code file. Do not attach an image or a pdf. Do not paste your code into the email body. I would like to download your code so I can test it as needed.
- 2. Use the scheduling software on the left side of Brightspace to schedule a Zoom meeting with me. If you cannot make the listed times, email me a list of your free times.