Create Comma Separated Value (https://en.wikipedia.org/wiki/Comma-separated_values

Links to an external site.

) file containing Health Records using C++ file IO. Your program must do the following:

• Input Health Record data for 10 people

• Prompt for a file name and Create a file (if it does Not already exist!)

Extra Credit: If the file exists, ask the user if they want to delete the file...and do as they request

• Output the Health Record data (Name, height, Weight, BMI w/2 digits past the decimal point) to the file in CSV format (RFC4180: https://www.rfc-editor.org/rfc/rfc4180)

Links to an external site.
• Close the file.

• Determine the length of the file

• Add (Append) one more Health Record to the file

• Close the file.

• Determine the length of the new file

• Close the file and exit the program

• Extra Extra Credit: Implement inputCSV()

Use the following UML for the HealthRecord class:

HealthRecord

- name : string

- height : int

- weight : int

+ HealthRecord (personName="" : string, height=1 : int, weight=0 : int)

+ setName (personName : string)

+ getName() : string

+ setHeight(personHeight : int)

+ getHeight() : int

+ setWeight(personHeight : int)

+ getWeight() : int

+ computeBMI () : float

+ outputCSV(ofstream& outFile)

Optional:

+inputCSV (ifstream& inputFile)

Sample output:

Howard Miller   CIST 004A

Enter Heath Record Data.   Hit <return> on a blank line to end.

Health Record #1

Enter the name (enter return when done): Bart Simpson

Enter Bart Simpson's height in inches: 48

Enter Bart Simpson's weight in pounds: 85

. . .

Health Record #10

Enter the name (enter return when done): Linus van Pelt

Enter Linus van Pelt's height in inches: 50

Enter Linus van Pelt's weight in pounds: 82

Health Record #11

Enter the name (enter return when done):

Enter a new file name to create: /Desktop/example.csv

The file: "/Desktop/example.csv" already exists!

Would you like to overwrite the file named:
"/Desktop/example.csv" (Y/N): y

Attempting to delete file: "/Desktop/example.csv".

The file: "/Desktop/example.csv" was successfully created!

The file was written.

The file: "/Desktop/example.csv" is 311 bytes long.

Enter the final Health Record:

Enter the name (enter return when done): Howard Miller

Enter Bart Simpson's height in inches: 72

Enter Bart Simpson's weight in pounds: 172

The file: "/Desktop/example.csv" is now 342 bytes long.

Program ended with exit code: 0

Submit 5 files:

HealthRecord.hpp, HealthRecord.cpp

main.cpp

HealthRecord.csv

output.txt