Attendance Project

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1 Goals

In this project, we will learn how to read and analyze a Comma-Separated-Values (CSV) file, process a string, formatted outputs, and generate a pdf file.

We work with Tab-Separated-Values (TSV) files in Lab 3. The difference between CSV and TSV files is the separator. In CSV, the separator is comma symbol, while in TSV, the separator is a tab. If a column data contains spaces, we should use CSV file.

2 Structure of the Project

1. Create directory `attendance` to hold codes of the project **<u>if</u>** you have not done so. Said differently, you only need to run the following command once.

   ```
   mkdir attendance
   ```

2. Move to the above directory.

   ```
   cd attendance
   ```

3 Task A: Add a Series of Integers and Output Their Sum

Enter a series of integers from console, then end the input by pressing

- ctrl and d at the same time in Mac / Linux or

- ctrl and z at the same time in Windows

- You need to press return key after the ctrl + d or ctrl + z.

Here is a sample input/output. After entering 6, press ctrl + d, then a return key in Mac / Linux. If you are use windows, use ctrl and z.

```
Enter a series of ints (use ctrl + d in Mac and ctrl + z in Windows to end
    input)): 1 2 3 6

sum = 12
```

1. Create a file named **add.cpp**.

2. In the program, prompt "Enter a series of ints: ".

3. Calculate the sum of these numbers.

4. Print the result.

Submit `add.cpp` to gradescope. Note that the grading script generated random double numbers to test. As a result, your output will be different in each running.