

**Opened:** Wednesday, October 15, 2025, 8:00 AM

**Due:** Sunday, October 26, 2025, 11:58 PM

1. Design and write a C++ program that prompts the user for the number of days and loops over the days and prompts the user to enter sales for each day. After each day of sales is captured, you should write a new line with the amount for the day to a file named week9\_lab1.txt.
2. Modify your lab 1 program to write to a new file named week9\_lab2.txt and after all sales are entered, on the last line, you should write out the sum of all the entered daily sales. An example format should be as follows:

```
10
20
30
40

=====
Total Sales: $100.00
=====
```

Notice we need two digits implied on the total. You should implement the <iomanip> library and the <sstream> library to help you format the number properly.

3. Design and write a C++ program that uses the Luhn algorithm to check the validity of a credit card. Your credit card should be a string value and you should use the following header libraries to assist you in the program: <iostream>, <sstream>, <algorithm> and <string>

Note: Test credit card numbers you can use are:  
4012888888881881  
5500000000000004  
3400000000000009

Add submission

Submission status

Attempt number	This is attempt 1.
Submission status	No submissions have been made yet
Grading status	Not graded
Time remaining	6 days 12 hours remaining





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