Exercise 2

Starting with the `table.html` and `budget.html` starter files we have provided you with, follow the following instructions. You should use the Javascript prompt function to ask for user input and retrieve it from the user, use document.writeln() and alert() when necessary for output.

Part 1: Fib Table

You will be generating a 3 column table where the headers of the table should be: "Count", "Value", "Fibonacci Value". **The first entry in a row should display which valid input iteration that value corresponds to, the second entry should be the value you entered, and the third entry should be the Fibonacci number for that value.** The count for valid input steps should start with 1.

Additionally, your script should keep a running tally of the sum of all the values entered and display that in the last row of the table with the entry: "the sum of all values entered" in the first cell, and the sum in the second cell, please leave the third cell blank. **The only styling you need to apply is a border with a value of 10.** *You may not enter any additional html code to the body element of the page. Everything should be created dynamically from the JavaScript you will write inside of the script tag we provide.*

If you enter a value that is not a number your program should respond with an Alert box to the user letting them know that the value they entered is not a valid value. Any invalid input should not count as iteration step in your table. **Your program should terminate execution/prompting the user for values when the user enters "done" (case should not matter).** Lastly, for any non-integer values entered your program should display them inside the table with the nearest integer value. For example, if you enter 5.49999, your program should return the value of 5. However, if you enter 5.5 your program should return a value of 6.

Part 2: Personal Finance

Know how to budget and save money? Me neither! Here is what I would like you to write in finance.html:

- A function that is loan payment calculator
    - Input: loan amount, loan length and annual percentage rate (APR) through the prompt dialogue box
        - If input is invalid, display a message and have them try again
    - Output: Loan total amount, interest amount, monthly payment amount (using html tags of your choice)

- A budgeting function
    - Input:
        - Bill amounts and their labels
            - Only stop asking when the user inputs -999 for a bill amount
            - Ex: 300, Cell Phone
        - Income
        - Saving 10% of your income
    - Output:
        - Put all bills, income and savings (labels and amounts) on the page (using html tags of your choice)
        - Use alert() to display a message indicating whether they are under, over or right on budget!

Reminders: You may not enter any additional html code to the body element of both the pages. Everything should be created dynamically from the javascript you will write inside of the script tag we provide. Also, do not rename or move the starter code!