Practicing With Algorithms and Identifiers

Class Exercise

**Review:** All algorithms include:

1. input from the user
2. validation of input
3. storage of the validated input
4. processing (the calculations)
5. storage of the calculations
6. output (displaying the answer).

Following the example from **section 1.3 Programs and Programming Languages on Page 8 of the online text** , write the steps (algorithm) and any identifiers that would be needed to hold data. Not every line in your algorithm will require an identifier. Identifiers should include the data type.

List the steps that need to be taken in order to find and display the answer.

Think:

1. what will the user need to input in order to determine the answer?
2. what is the equation
3. what data needs to be displayed to the user to solve the problem

1. Calculate and display the current age of a person when they celebrate their birthday in 2020.

2. Calculate and display the average of 2 numbers that are input by the user.

3. After the user inputs a number which represents feet and a number that represents inches, calculate and display the total number of inches. Ex: 3 feet 4 inches = 40 inches.

4. After the user inputs their total salary for the year, calculate and display the average salary per month.

5. After the user inputs the cost of an item and the tax rate, calculate and display the total tax of the item.