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The goal of my program is to calculate a day-to-day budget based on the user’s monthly income, expenses, and saving. The functionality of the program will prompt the user to input their monthly income, expenses, and what percentage of their income the user wants to save. From there the program will save the 3 three inputs into a text file and begins to check if the user’s expenses and saving isn’t more than their income. Once the program checks they’re not, the program will begin to subtract the income with the expense and saving if there’s left over money the program will move the money to their saving. Telling the user that they will have more money saved up than they initially wanted. After, the program is done with the calculations it will save the results to a text file so the user can refer to at any time. Then the program prompts if the user want to update their goal, if the users agree the program wipes the text file for the new information and starts again asking for their income, expenses and saving. Answering no, the program thanks the user for using their program, outputs what the text file will contain and ends the program. The limitation to the program is that it doesn’t consider saving extra money on the side for an emergency to maintain their goal. Does not keep track what their expenses are just their cost and can’t recommend a better price elsewhere for that expense nor suggest if expense is too much to reach saving goal.

START:

PRINT: Greets the user

BEGIN

WHILE TRUE:

INPUT: monthly income

INPUT: monthly expenses

INPUT: monthly saving

BREAK

EXCEPTION

WHEN value error

PRINT invalid input

CALL class\_Mod(the three inputs)

CALL \_\_intit\_\_ assign the instance variable to parent class

CALL cal()

CALCULATE saving into percentage and sum expenses

IF percentage or expenses lower than income

Begin subtraction

ELSE

Reassign saving or expenses

CALCULATE divide by 30 to get everyday cost and everyday saving

CALCULATE round up to two decimal points

IF income reaches 0

PRINT show their budget and how much to spend and save

PRINT tells user their summary

ELSE

PRINT tells user the left over money will be added to their saving goal

PRINT tells user their summary

CALL p() writes their income, expenses, and saving

CALL summaryy() writes the calculated result into a text file

CALL update()

PRINT Tells the user if they want to update their goal

IF yes

CALL start\_Again() starts the process again

CALL clear\_Txt() clears the text file for the new information

ELSE

PRINT thanks user for using their program

PRINT reminds user a text file will contain their summary