Name: Ethan Pedrick

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Program Description:

This program takes a list of monthly expenses, as submitted by the user, and returns the highest, lowest, and total expenses.

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Constants:

1. EXPENSES: dictionary that each expense is added to.

Functions used in the Program:

1. main()
   1. Description: calls the compileExpenses function, then outputs min, max, and total.
   2. Variables: lowest: min, highest: max, total: total
   3. Logical Steps:
      1. Call compileExpenses()
      2. Get lowest and highest using min() and max()
      3. Get total using reduce()
      4. Print output
2. compileExpenses()
   1. Description: Runs a loop that gets as many expenses as the user can input.
   2. Variables: x: name of expense to be put into the dictionary, cost: expense value
   3. Logical Steps:
      1. Set x to “” so it can be used in a loop
      2. Begin loop, setting each x and cost to “” every iteration
      3. Get input for x
      4. If x is “done”, break the loop
      5. Otherwise, try, except loop for cost to ensure it is a number

Logical Steps:

1. main(); inform user of program util
2. compileExpenses()
3. Get expense name and value until the user has no more to add
4. Get min and max valued expenses
5. Get total expenses
6. Output min max and total

Repository: <https://github.com/wcrmie/COP2373>

