**Programming Exercise 3**

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**Program Description:**

This program asks the user for their monthly expenses, then displays the total expense, the highest expense, and the lowest expense.

**Functions used in the Program (list in order as they are called):**

1. **Function Name:** main()

**Description:** This function prompts the user for their expenses, operates on them, and displays the wanted information about them.

**Parameters:** none

**Variables:**

* Expense\_amount\_list(list): holds all of the expense amounts
* Expense\_type\_and\_amount\_list(list): holds all of the expense types and amounts, each as its own list within the variable
* Expense\_type(string): holds the user-entered expense type for a specific loop
* Expense\_amount(float): holds the user-entered expense amount for a specific loop
* Expense\_type\_and\_amount(list): holds the expense type and amount for a specific loop
* Loop\_breaker(string): used to break loop if user enters any variation of “done”
* Expense\_total(float): holds the total expenses
* Expenses\_sorted\_ascending(list): expense\_type\_and\_amount\_list sorted in ascending order for ease in finding lowest expense
* Expenses\_sorted\_descending(list): expense\_type\_and\_amount list sorted in descending order for ease of finding highest expense

**Logical Steps:**

1. Prompts user for expense type and amount
2. Repeats loop if expense amount is not greater than zero or is not a number
3. Appends expense type and amount to lists
4. Prompts user to break loop
   1. Breaks loop if user enters “done”
   2. Repeats if not
5. Calculates the user’s total expenses, and sorts for the user’s highest and lowest expenses
6. Displays user’s total expenses, highest expense, and lowest expense

**Returns:** nothing

**Logical Steps:**

1. Call main()

**Link to your repository:** <https://github.com/dyhlan/COP2373>

**Output Screenshot: (make sure big enough so I can see)**

A screenshot of a computer program

AI-generated content may be incorrect.