**Name:** Facundo Lambrecht  
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**Program Description:**

This program helps the user analyze their monthly expenses. The user enters each expense type (like Rent, Groceries, Internet) and the amount. When finished, the program uses the reduce function to calculate the **total expenses**, the **highest expense**, and the **lowest expense**. It then shows the results clearly labeled.

**Functions used in the Program:**

**1. Function Name:** main

* **Description:** Runs the program, collects user expenses, and calculates results.
* **Parameters:** None
* **Variables:**
  + expenses → list of expenses stored as (type, amount).
  + expense\_type → the type of expense entered by the user.
  + amount → the amount for that expense.
  + total → total of all expenses.
  + highest → expense with the largest amount.
  + lowest → expense with the smallest amount.
* **Steps:**
  + Ask the user to enter an expense type and amount until they type done.
  + Store each expense in a list.
  + Use reduce to:
    - Add up all expenses.
    - Find the highest expense.
    - Find the lowest expense.
  + Show the total, highest, and lowest expense.
* **Returns:** None (prints results).

**Logical Steps (Program Flow):**

1. **User types each expense type and amount.**
2. **Program stores them in a list.**
3. **Program uses reduce to calculate total, highest, and lowest expense.**
4. **Program displays the analysis to the user.**

**Link to your repository:**

[**https://github.com/facundolambrecht08/COP2373**](https://github.com/facundolambrecht08/COP2373)**A screen shot of a computer

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