

## WEEK 1 PROJECT

Submission Deadline: 19th January, 2024.

### Personal Budget Calculator

#### Problem Statement

You are tasked with developing a simple Personal Budget Calculator using Python. The goal is to create a program that takes user inputs for monthly income and various expenses, calculates the total expenses, and displays a summary including the remaining balance.

#### Requirements

1. User Input:
  - Prompt the user to enter their monthly income (a positive float value).
  - Ask the user for the number of expenses they want to input.
2. Expense Input:
  - Utilize a loop to gather individual expenses from the user for each category.
  - Ensure each expense is a positive float value.
  - Store the entered expenses in a list.
3. Expense Calculation:
  - Sum up the entered expenses to calculate the total expenses for the month.
4. Balance Calculation:
  - Subtract the total expenses from the monthly income to determine the remaining balance.
5. Print Statements:
  - Display a clear and organized budget summary using Python print statements.
  - Include the user's income, a list of entered expenses, total expenses, and the remaining balance.

#### Note:

- Ensure error handling for invalid inputs, such as non-numeric or negative values.
- Encourage the user to provide meaningful names for their expenses for a more informative summary.

#### Example Execution:

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Enter your monthly income: \$3000.0

Enter the number of expenses: 3

Enter expense #1: \$500.0

Enter expense #2: \$200.0

Enter expense #3: \$100.0

Budget Summary:

Income: \$3000.0

Expenses: \$800.0

Remaining Balance: \$2200.0

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