import locale

locale.setlocale(locale.LC\_ALL, 'en\_US.UTF-8')

def main():

    print("Welcome to the Simple Budget Tracker")

    print("-"\*40)

    income= getmonthly\_income()

    expenses=get\_expenses()

    total\_expenses = sum(expenses)

    remaining\_budget = income - total\_expenses

    print()

    print("Budget Results:")

    print(f"Total Income:{locale.currency(income)}")

    print(f"Total Expenses:{locale.currency(total\_expenses)}")

    print(f"Remaining Budget: {locale.currency(remaining\_budget)}")

    print()

    print("Complete Expense List:")

    print("-"\*40)

    for index,expense in enumerate(expenses,1):

        print(f"{index}.{locale.currency(expense)}")

def getmonthly\_income():

    class InvalidIncomeError(Exception):

        "Raised when the income entered is below 0"""

    while True:

        try:

            income = float(input("Please enter your monthly income: $"))

            if income < 0:

                raise InvalidIncomeError("Income cannot be negative")

            return income

        except Exception as e:

            print(f"Invalid input:{e}.Please enter a valid income amount.")

def get\_expenses():

    expenses = []

    class InvalidExpenseError(Exception):

        """"Raised when the expense entered is below 0."""

    while True:

        try:

            expense = float(input("Enter an expense amount (or 0 to exit):"))

            if expense == 0:

                break

            if expense < 0:

                raise InvalidExpenseError("Expense cannot be negative")

            expenses.append(expense)

        except Exception as e:

            print (f"Invalid input: {e}. Please enter a valid expense amount or 0.")

        return expenses

def codedby():

    print()

    print("-"\*40)

    print("Completed by Andrew Jones")

if \_\_name\_\_ == "\_\_main\_\_":

    main()

    codedby()

