class BudgetPlanner:

def \_init\_(self):

self.monthly\_income = 0

self.monthly\_expenses = {}

def add\_income(self, income):

self.monthly\_income += income

def add\_expenses(self, category, amount):

if category in self.monthly\_expenses:

self.monthly\_expenses[category] += amount

else:

self.monthly\_expenses[category] = amount

def get\_total\_expenses(self):

return sum(self.monthly\_expenses.values())

def get\_balance(self):

return self.monthly\_income - self.get\_total\_expenses()

def get\_expenses\_by\_category(self):

return self.monthly\_expenses

def reset\_budget(self):

self.monthly\_income = 0

self.monthly\_expenses = {}

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

planner = BudgetPlanner()

while True:

print("\nPersonal Budget Planner")

print("1. Add Income")

print("2. Add Expenses")

print("3. View Total Expenses")

print("4. View Balance")

print("5. View Expenses by Category")

print("6. Reset Budget")

print("7. Quit")

choice = input("Enter your choice: ")

if choice == "1":

income = float(input("Enter Income amount: "))

planner.add\_income(income)

print("Income added successfully.")

elif choice == "2":

category = input("Enter expense category: ")

amount = float(input("Enter expense amount: "))

planner.add\_expenses(category, amount)

print("Expense added successfully.")

elif choice == "3":

total\_expense = planner.get\_total\_expenses()

print(f"Total Expenses: {total\_expense}")

elif choice == "4":

balance = planner.get\_balance()

print(f"Balance: {balance}")

elif choice == "5":

expenses\_by\_category = planner.get\_expenses\_by\_category()

print("Expenses by category:")

for category, amount in expenses\_by\_category.items():

print(f"{category}: {amount}")

elif choice == "6":

planner.reset\_budget()

print("Budget reset successfully.")

elif choice == "7":

print("Goodbye!")

break

else:

print("Invalid choice. Please try again.")