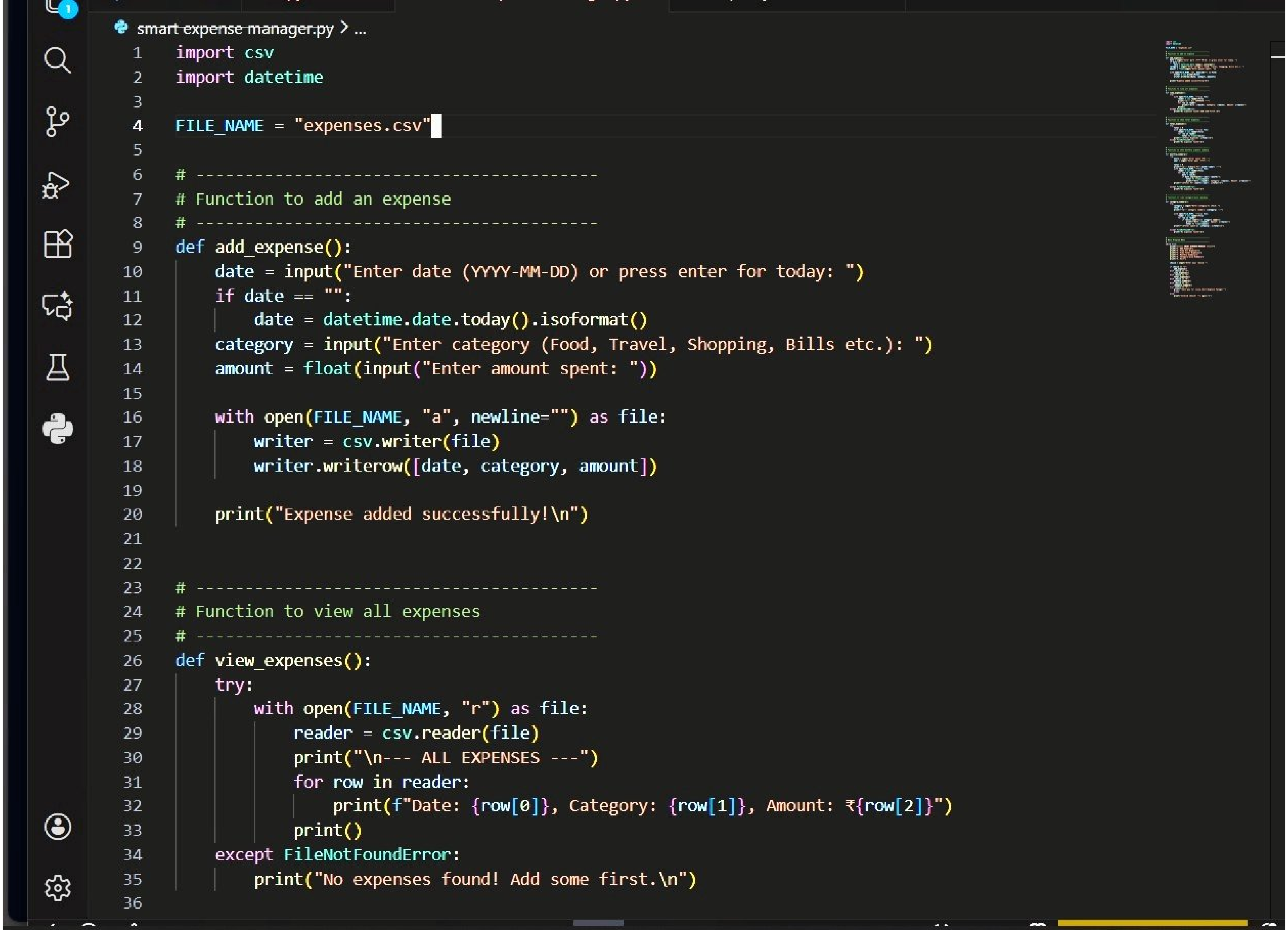
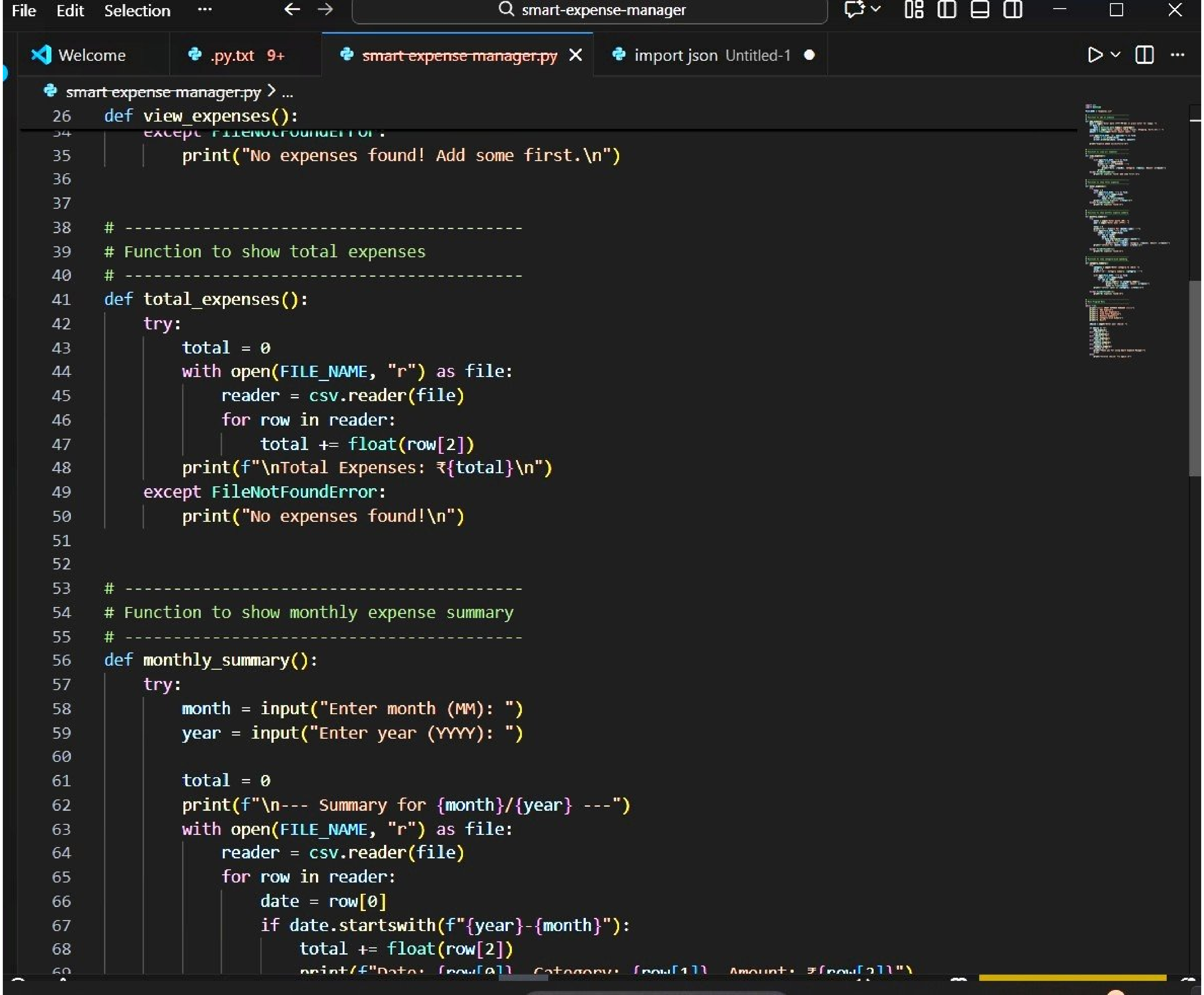
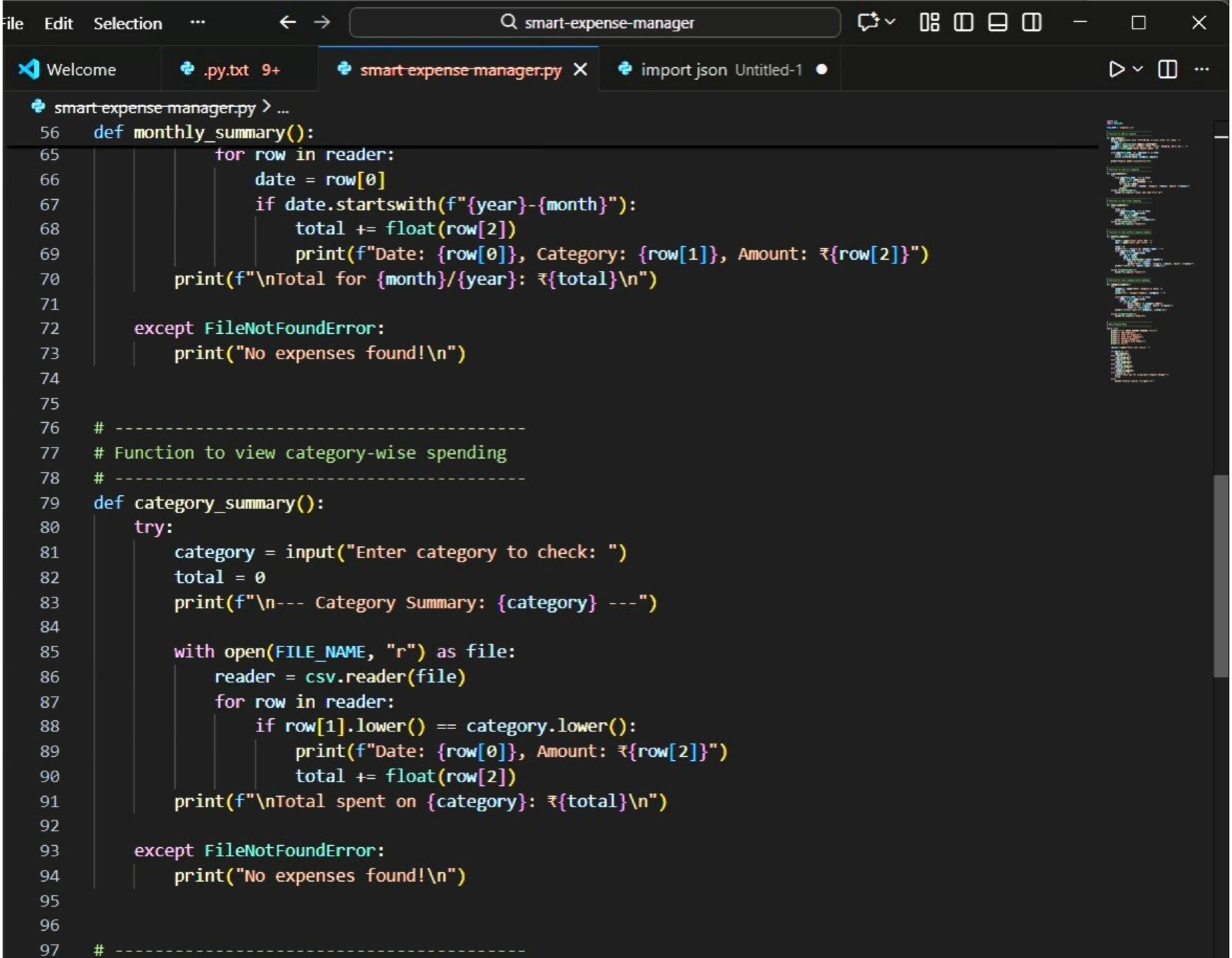


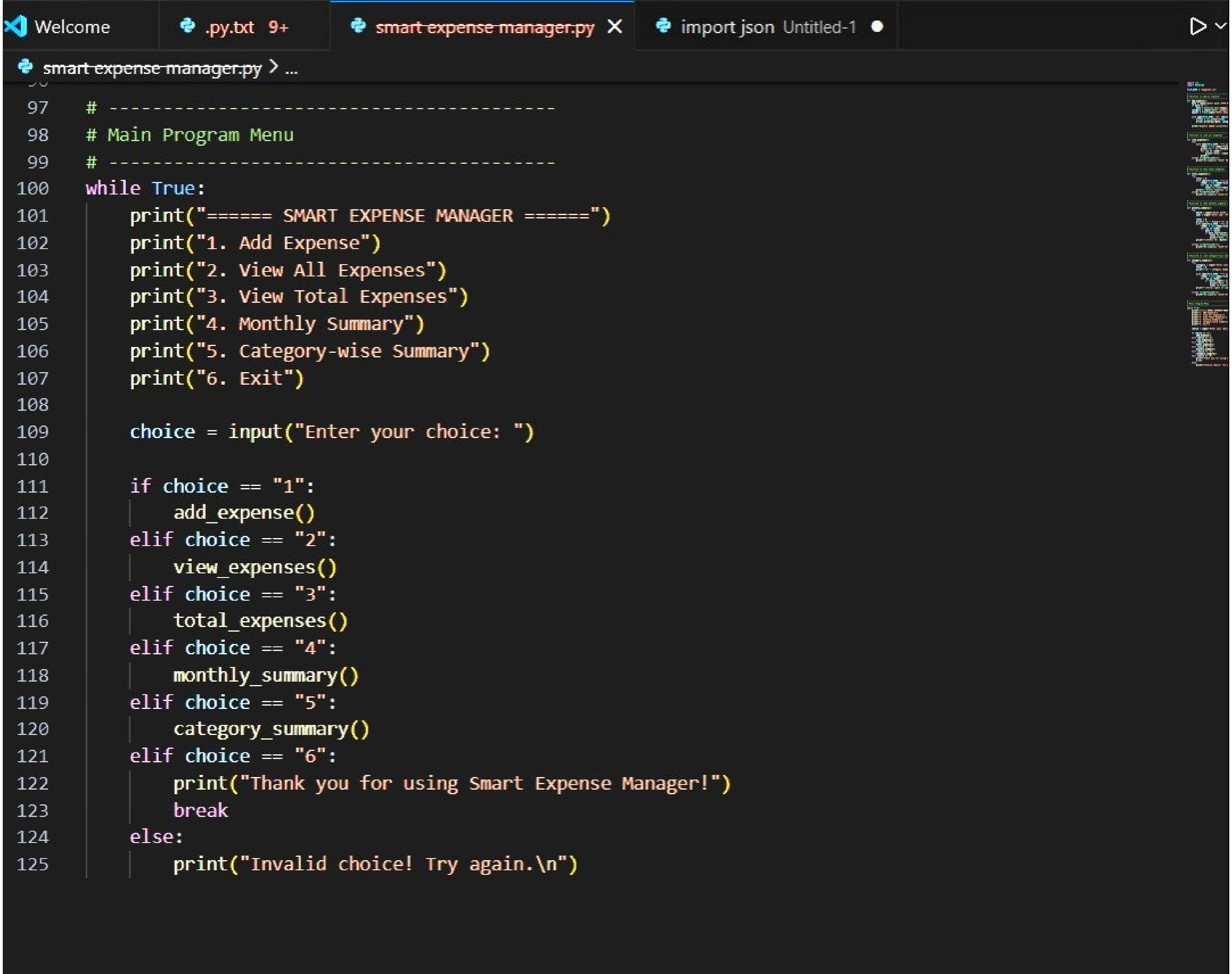
```python
import csv
import datetime

FILE_NAME = "expenses.csv"

# ----------------------------------------
# Function to add an expense
# ----------------------------------------
def add_expense():
    date = input("Enter date (YYYY-MM-DD) or press enter for today: ")
    if date == "":
        date = datetime.date.today().isoformat()
    category = input("Enter category (Food, Travel, Shopping, Bills etc.): ")
    amount = float(input("Enter amount spent: "))

    with open(FILE_NAME, "a", newline="") as file:
        writer = csv.writer(file)
        writer.writerow([date, category, amount])

    print("Expense added successfully!\n")


# ----------------------------------------
# Function to view all expenses
# ----------------------------------------
def view_expenses():
    try:
        with open(FILE_NAME, "r") as file:
            reader = csv.reader(file)
            print("\n--- ALL EXPENSES ---")
            for row in reader:
                print(f"Date: {row[0]}, Category: {row[1]}, Amount: ₹{row[2]}")
            print()
    except FileNotFoundError:
        print("No expenses found! Add some first.\n")

```



```
def view_expenses():
    except FileNotFoundError:
        print("No expenses found! Add some first.\n")


# ----------------------------------------
# Function to show total expenses
# ----------------------------------------
def total_expenses():
    try:
        total = 0
        with open(FILE_NAME, "r") as file:
            reader = csv.reader(file)
            for row in reader:
                total += float(row[2])
        print(f"\nTotal Expenses: ₹{total}\n")
    except FileNotFoundError:
        print("No expenses found!\n")


# ----------------------------------------
# Function to show monthly expense summary
# ----------------------------------------
def monthly_summary():
    try:
        month = input("Enter month (MM): ")
        year = input("Enter year (YYYY): ")

        total = 0
        print(f"\n--- Summary for {month}/{year} ---")
        with open(FILE_NAME, "r") as file:
            reader = csv.reader(file)
            for row in reader:
                date = row[0]
                if date.startswith(f"{year}-{month}"):
                    total += float(row[2])
                    print(f"Date: {row[0]}, Category: {row[1]}, Amount: ₹{row[2]}")
```



```python
def monthly_summary():
            for row in reader:
                date = row[0]
                if date.startswith(f"{year}-{month}"):
                    total += float(row[2])
                    print(f"Date: {row[0]}, Category: {row[1]}, Amount: ₹{row[2]}")
        print(f"\nTotal for {month}/{year}: ₹{total}\n")

    except FileNotFoundError:
        print("No expenses found!\n")


# ----------------------------------------
# Function to view category-wise spending
# ----------------------------------------
def category_summary():
    try:
        category = input("Enter category to check: ")
        total = 0
        print(f"\n--- Category Summary: {category} ---")

        with open(FILE_NAME, "r") as file:
            reader = csv.reader(file)
            for row in reader:
                if row[1].lower() == category.lower():
                    print(f"Date: {row[0]}, Amount: ₹{row[2]}")
                    total += float(row[2])
        print(f"\nTotal spent on {category}: ₹{total}\n")

    except FileNotFoundError:
        print("No expenses found!\n")


# ----------------------------------------
```



```python
# ----------------------------------------
# Main Program Menu
# ----------------------------------------
while True:
    print("====== SMART EXPENSE MANAGER ======")
    print("1. Add Expense")
    print("2. View All Expenses")
    print("3. View Total Expenses")
    print("4. Monthly Summary")
    print("5. Category-wise Summary")
    print("6. Exit")

    choice = input("Enter your choice: ")

    if choice == "1":
        add_expense()
    elif choice == "2":
        view_expenses()
    elif choice == "3":
        total_expenses()
    elif choice == "4":
        monthly_summary()
    elif choice == "5":
        category_summary()
    elif choice == "6":
        print("Thank you for using Smart Expense Manager!")
        break
    else:
        print("Invalid choice! Try again.\n")
```