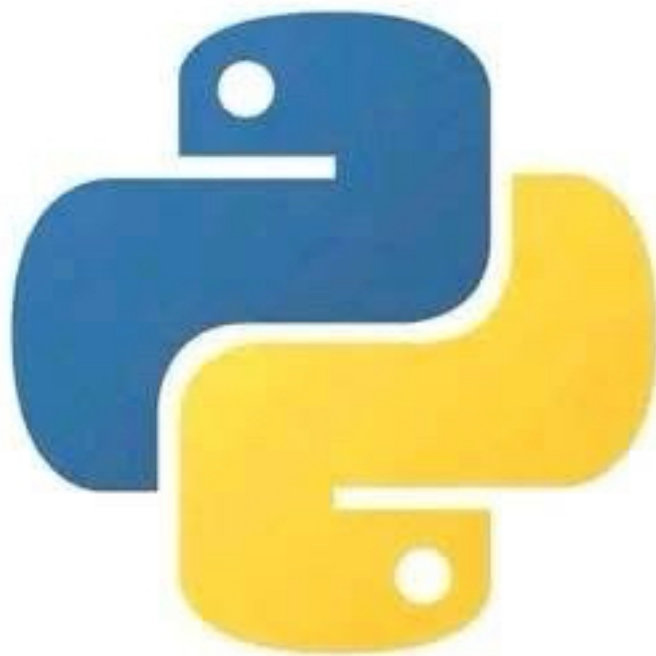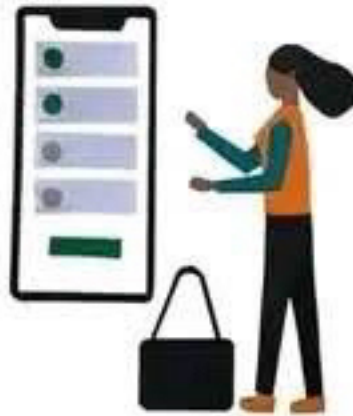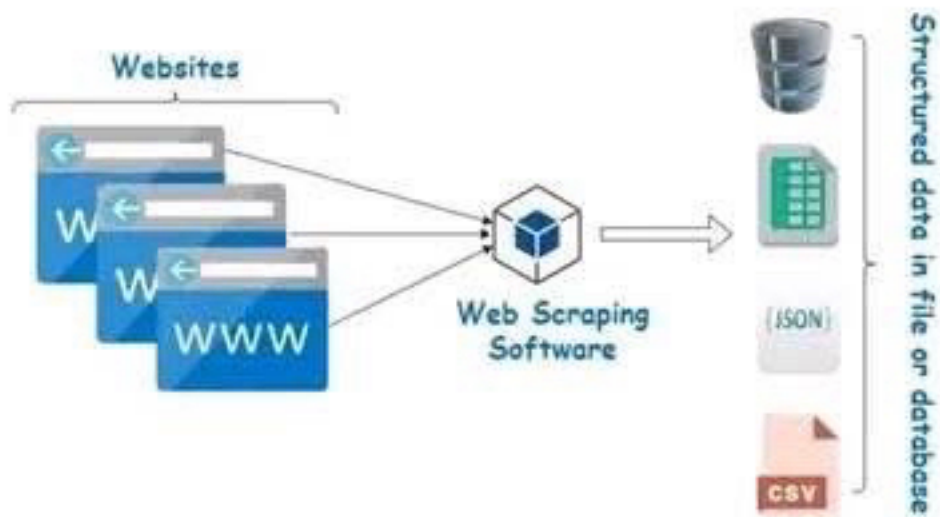# 10 Projects To Master

PYTHON

1. To-Do List Application:

Focus: File handling, CLI, and basic object-oriented programming (OOP).

Concept: Create a to-do list where users can add, update, and delete tasks, and save the list to a file.
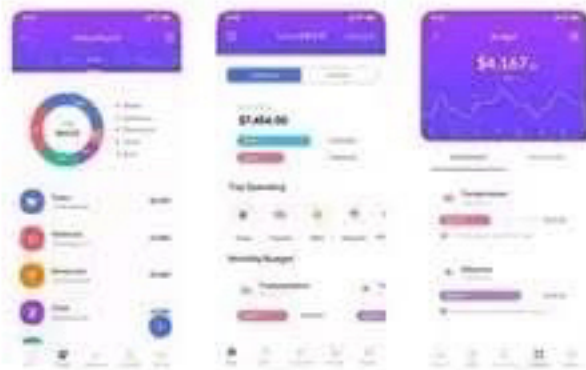
Websites → Web Scraping Software → Structured data in file or database

2. Web Scraper

Focus: Web scraping, data extraction, and libraries like BeautifulSoup and Requests.

Concept: Scrape data from websites (like news headlines or product prices) and save it to a CSV file.

3. Budget Tracker

Focus: Data handling, input validation, and basic math operations.

Concept: Track your expenses and income, calculate the total balance, and generate a simple report.

4. Quiz Application

Focus: Functions, loops, and user input.

Concept: Create a multiple-choice quiz that stores questions and answers, scores the user, and gives feedback.

5. Password Manager:

Focus: File handling, encryption, and GUI (using Tkinter or PyQt).

Concept: Store, retrieve, and manage passwords securely using encryption.

6. Weather App

Focus: APIs, JSON handling, and external libraries.

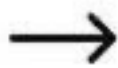**Concept**: Fetch real-time weather data from an API and display it in a user-friendly format.

7. Simple Web Application
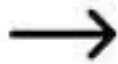
Focus: Web development using Flask or Django

Concept: Build a basic blog or portfolio website with user authentication and a database.

8. Automation Script

→

9. Data Visualization Dashboard

→

10. Chatbot

→