

# Python Revision Timetable (Full 25-Day Plan)

This 25-day Python revision timetable is designed for learners who already know the basics of Python and want to strengthen their foundation before starting projects. You can follow this schedule for 1 hour per day, or finish faster by studying 2 hours per day.

## ***Day 1–3: Python Fundamentals***

- Variables, data types, operators, input/output, comments, basic math & string operations.
- Practice: Build a calculator, practice string slicing and formatting.
- Resources: W3Schools Python Basics, Python.org Official Tutorial.

## ***Day 4–7: Data Structures***

- Lists, Tuples, Sets, Dictionaries, comprehensions.
- Practice: Create a contact book using dictionary, sorting and filtering lists.
- Resources: Real Python Lists & Dictionaries, W3Schools Python Lists.

## ***Day 8–10: Control Flow***

- If-else conditions, for/while loops, break/continue/pass.
- Practice: Number guessing game, multiplication table generator.
- Resources: Programiz Control Flow, Real Python Loops.

## ***Day 11–13: Functions and Scopes***

- Functions, arguments, \*args, \*\*kwargs, lambda, scope.
- Practice: Create reusable functions, simple math module.
- Resources: Real Python Functions, W3Schools Functions.

## ***Day 14–16: File Handling***

- Reading/writing files, CSV, JSON, exception handling.
- Practice: Note-saving app, log user inputs to file.
- Resources: Python Docs File Handling, W3Schools File Handling.

## ***Day 17–21: Object-Oriented Programming (OOP)***

- Classes, objects, constructors, inheritance, polymorphism.
- Practice: Build BankAccount or Student class, mini library system.
- Resources: Real Python OOP, Programiz Classes.

## ***Day 22–25: Modules, Packages & Virtual Environments***

- Importing modules, creating packages, pip, venv.

- Practice: Create custom module, use external API (e.g., weather).
- Resources: [Python.org Modules](https://docs.python.org/3/library/), [Real Python Modules](https://realpython.com/python-modules/).

After completing this 25-day plan, you'll have a strong foundation in Python and can confidently start mini projects like a calculator, to-do app, or weather app. Next, specialize in your area of interest: web development, AI/ML, or data analysis.