

# Catch Up Fast: 2 Week Python Survival Plan

**Goal:** Get from “never coded” to “PythON Ready” in two weeks by learning hands on through real environments: Google Colab, VS Code, and PyCharm.

## WEEK 1 – Learn the Language

Focus: Core syntax, loops, conditionals, lists, and functions.

Tools: Start in Google Colab (no install), then move to VS Code or PyCharm.

Day	Focus	Suggested Practice
1	Print, variables, data types	Google Colab notebook
2	Strings & input	W3Schools string exercises
3	Conditionals (if/elif/else)	Small quizzes & decision logic
4	Loops (for, while)	FizzBuzz or number sum challenge
5	Lists, tuples, dictionaries	Create a small contact list app
6	Functions	Write reusable functions
7	Review + mini project	Simple calculator or text analyzer

Recommended resources:

Google's Python Class (Free)

W3Schools Python Exercises

YouTube: Python for Beginners – Mosh Hamedani

## WEEK 2 – Work Like a Developer

Focus: Run scripts, handle files, debug, and use libraries like pandas.

Tools: VS Code or PyCharm for local scripting, Colab for notebooks.

Day	Focus	Suggested Practice
8	Install VS Code or PyCharm	Set up Python interpreter & run your first script
9	File input/output	Read and write .txt files
10	Errors & exceptions	Try/except practice
11	Classes & objects	Build a simple class (Car, Student, etc.)
12	Import modules & packages	Use math, random, and datetime
13	Mini Project: data cleanup	Load a CSV file with pandas

14	Review & push to GitHub	Create a repo and upload your mini project
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### **Optional Fast Track for Advanced Learners:**

- Finish ZTM “Complete Python Developer” sections.
- Learn Jupyter Notebooks (used in all ML labs).
- Explore LeetCode Easy Python problems for extra practice.

**Pro Tip:** Python is learned by typing, not watching. Spend 15–30 minutes every day writing and running small programs