5-Day Python Learning Plan (Build-First)

DAY 1 — Python Basics

What to Study:

- What is Python

- Variables

- Data types (int, float, str, bool)

- Input & Output (print, input)

Where to Study:

- Kaggle → Python (Intro + Variables)

- w3schools → Python → Basics

What to Build:

- Add two numbers

- Calculator (add, subtract)

- Celsius ↔ Fahrenheit converter

DAY 2 — Conditions + Loops

What to Study:

- if / elif / else

- for loop

- while loop

- range()

- break, continue

Where to Study:

- w3schools → Conditions + Loops

- Kaggle → Control Flow Lesson

What to Build:

- Even/odd checker

- Multiplication table

- Sum of numbers 1 to N

DAY 3 — Lists + Dictionaries + Strings

What to Study:

- Lists (append, remove, slicing)

- Dictionaries (key-value operations)

- String operations (split, replace)

Where to Study:

- Kaggle → Lists + Dictionaries Lessons

What to Build:

- List max, min, sum

- Student marks dictionary

- Reverse a string

- Word counter

DAY 4 — Functions + File Handling

What to Study:

- Functions (def, return, parameters)

- File handling (open, read, write, with open)

Where to Study:

- w3schools → Functions

- w3schools → File Handling

What to Build:

- Prime checker function

- Factorial function

- Read text file & count lines

- Save notes to file

DAY 5 — Modules + Mini Project

What to Study:

- Import statements

- math, random, datetime modules

Where to Study:

- w3schools → Modules

- Kaggle → Modules

Mini Project (Choose 1):

- Advanced Calculator

- Notes App

- Contact Book

SATURDAY + SUNDAY — REVISION

Revise:

- All concepts

- All scripts

- Syntax + indentation

- List/dictionary operations

Practice:

- Rebuild mini project

- 10–15 HackerRank questions

- 1 Kaggle exercise set

After this week you are ready for:

NumPy, Pandas, Matplotlib, ML Basics, Projects.