

Python Course for Absolute Beginners

Chapter 0 – Getting Started (Basics)

Learn Programming from Scratch – No Experience Needed

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What is Programming?

Programming = Giving instructions to a computer

A program is a set of steps to perform a task

Example: Making tea (steps = code)

Computers understand logic, not emotions

Why Learn Python?

Python is everywhere:

- AI & Machine Learning (ChatGPT, ML Models)
- Web Development (Instagram, Reddit)
- Data Analysis (Pandas, Excel++)
- Automation (Scripts, Bots)
- Game Development (Pygame)

Features of Python

- ✓ Simple syntax (like English)
- ✓ Fast to learn and implement
- ✓ Huge community support
- ✓ Rich library ecosystem
- ✓ Works on Windows, macOS, Linux
- ✓ Developed by Guido van Rossum

Installing Python

- 1 Go to <https://python.org/downloads>
- 2 Download the latest version (3.x)
- 3 Tick 'Add Python to PATH'
- 4 Click 'Install Now'

Installing an IDE

IDE = Place to write, run, debug code

Recommended:

- VS Code (lightweight & popular)
- PyCharm (professional use)
- IDLE (comes with Python)

Your First Program

Code:

```
print("Hello, World!")
```

print() → displays output on screen

Try changing the message!

Example: `print("Hello Saumya!")`

Running Python Programs

Two Ways:

1 Terminal: python [hello.py](#)

2 IDE: Click  Run Button

Try both to build confidence

Practice Set 0



Print your name → `print('My name is Saumya')`



Print a quote → `print('Success doesn't come overnight')`



Do math → `print(10 + 5 * 2)`



Bonus: Print your name 10 times using one line!

Summary

- ✓ What is Programming
- ✓ Why Python
- ✓ Features & Installation
- ✓ Writing & Running First Program
- ✓ Practice Exercises

Next: Variables & Data Types

“Every big programmer once wrote their first Hello World!”