DevOpsSchool

Course curriculum · November 2026

LEVEL 01 OF 04 · FOUNDATION

Python Foundation Training

Install Python, run scripts and the interactive interpreter, and write programs with variables, strings, input and basic flow control.

LIVE ONLINE **Max 8-10 hours**	CORPORATE (DAY-WISE) **1 day · Day 1**	SELF-PACED VIDEO **1-year LMS access**
BATCH SIZE **Max 10 learners**	NEXT BATCHES **1st of every month · weekends: first Saturday**	CERTIFICATE **Verifiable certificate of completion**

Foundation	Essential	Intermediate	Advanced
1 day · This curriculum	2 days · Next step	3 days · Later	5 days · Later

INSIDE THIS CURRICULUM

What you will achieve	Outcomes and level focus
Who should attend	Audience and prerequisites
Agenda	13 topics · Foundation
Hands-on labs	1 lab
Formats and fees	Live, 1:1, self-paced, corporate
Trainer and reviews	Rajesh Kumar
Enrolment	Batches, payment, contacts

WHY DEVOPSSCHOOL

- Rated 4.6 on Google
- 1,500+ verifiable certificates issued in the public registry
- Trainer Rajesh Kumar: 20 years in industry
- Small batches: max 10 learners, every session recorded

Course page: www.devopsschool.com/courses/python/python-foundation-training.html
Talk to us: WhatsApp +91 99057 40781 · +1 (469) 756-6329 · contact@DevOpsSchool.com · reply within 1 hour

OUTCOMES

What you will achieve

By the end of the Python course path, you will be able to:

1

Write clean Python code

Write readable, well-structured Python with core data types, functions, classes and exceptions.

2

Automate data and systems

Use files, regular expressions, databases, networking, NumPy and pandas to automate real work.

3

Build and deploy Python apps

Build web, data, ML and DevOps solutions in Python and deploy them to the cloud.

WHAT THE FOUNDATION LEVEL ADDS

Python setup, scripts, variables, strings and flow control

Hands-on: Write a command-line calculator. Build a script that reads numbers from the command line or keyboard, validates them with if and elif, loops until the user quits and prints formatted results.

WHO SHOULD ATTEND

- Beginners and working professionals who are new to Python and want a solid, hands-on start.
- Engineers, analysts, testers and students preparing to use Python on real work.
- Leads and managers who want first-hand familiarity with Python.

BEFORE YOU START

- No prior Python experience is needed.
- Basic computer skills and a laptop with a stable internet connection for the live sessions and labs.
- This curriculum includes every earlier level, so it is complete on its own.

AGENDA · FOUNDATION

Python Foundation Training agenda

13 topics. Each level builds on the one before it, so this curriculum lists every earlier level in full. Days are for corporate (day-wise) delivery; live online batches cover the same agenda in max 8-10 hours.

DAY 1 — Foundation: Python setup, scripts, variables, strings and flow control

New at this level

1. What is Python: why Python, interpreted languages, advantages and disadvantages, and where Python is used
2. Downloading and installing: python.org installers, package managers, uv or pyenv; which version of Python to use
3. Where to find documentation: docs.python.org, help(), dir() and the PEP 8 style guide
4. Running Python scripts: using the interpreter interactively (REPL) and running standalone scripts on Unix and Windows
5. Structure of a Python script: shebang, imports, functions, the __main__ guard and comments
6. Getting started: VS Code with the Python extension and virtual environments with venv
7. Using variables: variables and data types, dynamic typing, naming rules, int, float, bool and None
8. String types: normal, raw and Unicode strings, f-strings and escape sequences
9. String operators and expressions: concatenation, repetition, slicing and common string methods
10. Math operators and expressions: arithmetic, floor division, modulo, power and the math module
11. Writing to the screen: print() options and formatted output
12. Input: command line parameters with sys.argv and reading from the keyboard with input()
13. Flow control: about flow control, indenting is significant, the if and elif statements and while loops

PRACTICE

Hands-on labs

You build these yourself during the course, guided by the trainer.

FOUNDATION

Write a command-line calculator

Build a script that reads numbers from the command line or keyboard, validates them with if and elif, loops until the user quits and prints formatted results.

HOW YOU CAN LEARN

Formats and fees

The same agenda in four formats. Fees are in Indian rupees as of November 2026; the course page shows them in your currency.

FORMAT	DURATION	WHAT YOU GET	FEE
Live & interactive (online)	Max 8-10 hours	Instructor-led public batch of max 10 learners with demos, labs, Q&A and assignment review. Weekday batches start on the 1st of every month, weekend batches on the first Saturday of every month.	**INR 34,999**
1:1 live training (online)	Max 8-10 hours, one-to-one	The same agenda, taught one-to-one by the trainer. Starts immediately, without waiting for the next batch; sessions planned around your working hours, at your pace.	**INR 99,999**
Self-paced video	1-year LMS access	All four Python levels, plus 20+ more courses and 50+ tools, at your own pace.	**INR 833/month** billed yearly at INR 9,996
Corporate (day-wise)	1 day for this level	A private batch for your team, on demand. Foundation 1 day, Essential 2, Intermediate 3, Advanced 5 (cumulative).	**Quote on request**

ASSESSMENT AND CERTIFICATE

Your progress is checked through hands-on labs and assignments at every level. On completion you receive a DevOpsSchool certificate of completion with a unique credential ID that anyone can verify at devopsschool.com/certificates.

INCLUDED WITH EVERY LIVE BATCH

- Every live session is recorded and stays in your LMS for a year.
- Can't attend your batch? Move to next month's batch.
- Free demo class before you pay.
- Free 10-15 minute call with an advisor or the trainer to check the course fits you.

YOUR TRAINER

Learn from Rajesh Kumar

Principal Architect, trainer and mentor in DevOps, SRE, DevSecOps and platform engineering, with 20 years across 8+ software MNCs, including Staff DevOps/SRE Engineer for a leading Japanese mobile-payment platform and Principal DevOps Architect and Manager in Europe.

Profile: www.rajeshkumar.xyz · Videos: youtube.com/@TheDevOpsSchool

20 years in industry	**200+** corporate trainings
10,000+ engineers mentored	**70+** organisations coached

REVIEWS

What learners say

Rated 4.6 on Google · more reviews at devopsschool.com/testimonials and in our video testimonials.

> “Rajesh is very good trainer. Rajesh was able to resolve our queries and question effectively. We really liked the hands-on examples covered during this training program.”
>
> Indrayani, India

> “The training was very useful and interactive. Rajesh helped develop the confidence of all.”
>
> Abhinav Gupta, Pune

START YOUR PYTHON TRAINING

Join the next batch

Weekday batches start on the 1st of every month and weekend batches on the first Saturday of every month, with max 10 learners each. 1:1 training can start immediately; corporate batches run on demand. We reply within 1 hour.

Pay by UPI, credit and debit cards, net banking or PayPal. Before you pay, read our refund policy. All levels of this course: www.devopsschool.com/courses/python/

ENROL OR RESERVE A SEAT
Python Foundation Training

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Next step after this level: Python Essential Training - Work with Python's core data structures, write reusable functions, read and write files and handle errors cleanly.