



PYTHON TRAINING

Python Training Boot Camp

Master Python programming for real-world applications. Develop robust solutions, automate tasks, and kickstart your career in tech.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

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- Globally Recognized Certification
 - Expert-Led Hands-On Training
 - Flexible Scheduling

Computer Pride | 1st Floor, ICEA Building, Kenyatta Avenue, Nairobi | www.computer-pride.co.ke

COURSE OVERVIEW

Elevate your Python proficiency with Computer Pride's intensive 2-hour Python Training Boot Camp, specifically designed for individuals looking to solidify their intermediate-level skills. This accelerated program cuts through the noise, focusing on core Python concepts that empower you to write more efficient, maintainable, and robust code. We'll dive into advanced data structures, object-oriented programming fundamentals, effective error handling, and practical file operations, ensuring you gain hands-on experience with Python's versatile capabilities. This boot camp is perfect for those who have a basic understanding of Python syntax and are ready to tackle more complex programming challenges.

Duration	2 hours
Level	Intermediate
Vendor	Python

COURSE CURRICULUM

01 Module 1: Advanced Python Fundamentals

- Review of functions and scope
- Introduction to Lambda Functions
- List, Dictionary, and Set Comprehensions
- Working with Iterators and Generators (basic)

02 Module 2: Object-Oriented Programming (OOP) Essentials

- Defining Classes and Objects
- Attributes and Methods
- Understanding 'self'
- Basic Inheritance (conceptual overview)

03 Module 3: Error Handling and File I/O

- Handling Exceptions with try-except-finally blocks
- Common built-in exceptions
- Reading from text files
- Writing to text files

04 Module 4: Practical Application and Next Steps

- Applying learned concepts through a mini-project
- Brief introduction to popular Python libraries (e.g., `os`, `sys`)
- Strategies for continuous Python learning and development

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Automation Script Developer**
- > **Junior Data Analyst (Python-focused)**

> DevOps Assistant (Python for scripting and tooling)

FREQUENTLY ASKED QUESTIONS

Q: What specific intermediate Python concepts will I master in this 2-hour boot camp, and how will they enhance my coding projects?

This boot camp focuses on key intermediate concepts such as list comprehensions for concise code, fundamental object-oriented programming (OOP) principles for structured solutions, and robust error handling to make your applications more resilient. Mastering these will enable you to write cleaner, more efficient Python scripts, manage complex data operations more effectively, and build applications with better maintainability and error tolerance.

Q: What are the essential prerequisites for effectively participating in this Intermediate Python Training Boot Camp, given its accelerated format?

To get the most out of this intensive 2-hour boot camp, participants should already have a solid foundational understanding of Python basics. This includes familiarity with core data types (strings, integers, floats, booleans), basic data structures (lists, dictionaries, tuples), control flow (if/else statements, for/while loops), and defining simple functions. Prior experience with a text editor or IDE is also beneficial.

Q: How does this 2-hour boot camp prepare me for specific career roles, particularly in data analysis, automation, or junior development positions?

While a 2-hour boot camp provides a focused introduction, it significantly strengthens your profile for roles requiring intermediate Python. The skills gained in OOP fundamentals are crucial for building scalable applications, while advanced control flow and error handling are vital for robust automation scripts. For data analysis, concepts like comprehensions enhance data manipulation efficiency, making you a more valuable asset in an entry-level to junior data role where Python is utilized for scripting and preliminary data tasks.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

Years of Excellence

10,000+

Professionals Trained

50+

Vendor Certifications

READY TO ENROL?

Take the next step in your technology career.

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