

# Getting Started with Python - Beginners Guide

Python is a language with a simple syntax and a powerful set of libraries. It is an interpreted language, with a rich programming environment, including a robust debugger and profiler.

BEGINNER

18 LESSONS

1H 35MIN TOTAL

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## WHAT YOU'LL LEARN

- Understand Python syntax, variables, and basic data types
- Write conditional statements and loops to control program flow
- Work with core data structures like lists, tuples, dictionaries, and sets
- Build classes and objects using object-oriented programming and inheritance
- Handle errors, work with files, and use modules and packages

## PREREQUISITES

- A computer running Windows, macOS, or Linux
- Python 3 installed (we'll show you how in the first lesson)
- A text editor or code editor to write Python code
- No prior programming experience required

## OVERVIEW

This course takes you from a programming novice to a confident Python coder. Through hands-on lessons, you will build a solid foundation in Python fundamentals, from syntax and data types to functions, files, and modules.

This course is ideal for: - In this course, you will gain a solid foundation in Python programming concepts and techniques. Whether you're a student, professional, or hobbyist, this course caters to all backgrounds.

- By the end of this course, you'll have the skills to write your own Python programs, solve simple coding challenges, and begin your journey towards more advanced topics in programming.

Join us and unlock the world of coding with Python!

## COURSE CURRICULUM

|    |                                                    |       |                      |
|----|----------------------------------------------------|-------|----------------------|
| 01 | Python: Introduction to Python and Installation    | 5 min | <a href="#">OPEN</a> |
| 02 | Python: Variables and Basic Data Types             | 3 min | <a href="#">OPEN</a> |
| 03 | Python: Classes and Objects, Inheritance and Super | 9 min | <a href="#">OPEN</a> |
| 04 | Python: Conditional Statements Ifs, Elifs, Elses   | 6 min | <a href="#">OPEN</a> |
| 05 | Python: Working with Loops                         | 7 min | <a href="#">OPEN</a> |

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|----|--------------------------------------------|--------|----------------------|
| 06 | Python: Introduction to Functions          | 5 min  | <a href="#">OPEN</a> |
| 07 | Python: Modules and Packages               | 3 min  | <a href="#">OPEN</a> |
| 08 | Python: Working with Dictionaries          | 4 min  | <a href="#">OPEN</a> |
| 09 | Python: Working with Sets                  | 4 min  | <a href="#">OPEN</a> |
| 10 | Python: Working with Lists                 | 6 min  | <a href="#">OPEN</a> |
| 11 | Python: Working with Tuples                | 4 min  | <a href="#">OPEN</a> |
| 12 | Python: Exception Handling                 | 3 min  | <a href="#">OPEN</a> |
| 13 | Python: Working with Files and Directories | 8 min  | <a href="#">OPEN</a> |
| 14 | Python: Working with Date and Times        | 3 min  | <a href="#">OPEN</a> |
| 15 | Python: Regular Expressions                | 3 min  | <a href="#">OPEN</a> |
| 16 | Python: Math Functions                     | 10 min | <a href="#">OPEN</a> |
| 17 | Python: Serialising and Deserialising JSON | 3 min  | <a href="#">OPEN</a> |
| 18 | Python: Working with Mails                 | 5 min  | <a href="#">OPEN</a> |

## INSTRUCTOR



### Nilanchala Panigrahy

Software Architect based in London with 19+ years of experience designing and scaling mission-critical backend systems. Nilanchala has worked on large-scale enterprise platforms, led digital transformation initiatives, and guided teams through complex system design decisions where reliability, security, and maintainability actually matter. Beyond architecture, he's passionate about mentorship — helping developers bridge the gap between writing clean code and designing robust systems.

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