

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

4H 25MIN 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	12 min	OPEN
02	Python: Variables and Basic Data Types	8 min	OPEN
03	Python: Classes and Objects, Inheritance and Super	20 min	OPEN
04	Python: Conditional Statements Ifs, Elifs, Elses	19 min	OPEN
05	Python: Working with Loops	17 min	OPEN

06	Python: Introduction to Functions	14 min	OPEN
07	Python: Modules and Packages	6 min	OPEN
08	Python: Working with Dictionaries	15 min	OPEN
09	Python: Working with Sets	16 min	OPEN
10	Python: Working with Lists	21 min	OPEN
11	Python: Working with Tuples	12 min	OPEN
12	Python: Exception Handling	9 min	OPEN
13	Python: Working with Files and Directories	21 min	OPEN
14	Python: Working with Date and Times	8 min	OPEN
15	Python: Regular Expressions	10 min	OPEN
16	Python: Math Functions	38 min	OPEN
17	Python: Serialising and Deserialising JSON	9 min	OPEN
18	Python: Working with Mails	7 min	OPEN

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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