

Complete Python Mastery: Zero to Hero Bootcamp  
Master Python like a Pro - Start from the basics and advance to creating your own applications and games, all in Hindi!

Topics

### Section 1: Introduction

- Welcome to the Course 2:00
- Course Overview
- Road Map
- FAQ

### Section 2: Introduction To Python

- 
- Python 1 2:00
- First Python Program 5:00
- Importance of Replit 11:00
- Why is Python So Popular? 4:00
- Different Versions of Python 5:00
- Why so many Programming Languages? 3:00
- 

### Section 3: Python Basics

- Learning Python 2:00
- Data Types 4:00
- Tips to Succeed
- int float Data Type 8:00
- Math Functions 5:00
- Developer Fundamental 4:00
- Operator Precedence 3:00
- Exercise Operator Precedence
- bin(),Complex 4:00
- Variables 15:00
- Statements & Expressions 2:00
- Augmented Assignment Operator 3:00
- Strings 6:00
- String Concatenation 1:00
- Type Conversion 3:00
- Escape Sequence 4:00
- Formatted String 5:00
- String Indexing 12:00
- Immutability 2:00

- Built in Functions or Method 11:00
- Boolean 1:00
- Exercise Type Conversion 9:00
- Developer Fundamentals 3:00
- Exercise Password Checker 7:00
- Lists 5:00
- List Slicing 9:00
- Matrix 5:00
- List Method 1 12:00
- List Method 2 7:00
- Lists Method 3 8:00
- Common List Patterns 6:00
- List Unpacking 3:00
- None 2:00
- Dictionary 11:00
- Developer Fundamental 3 2:00
- Dictionary Keys 3:00
- Dictionary Method 1 7:00
- Dictionary Methods 2 13:00
- Tuple 1 8:00
- Tuples 2 2:00
- Sets 1 7:00
- Sets 2 12:00

#### Section 4: Python Basics 2

- Breaking the Flow 2:00
- Conditional Logic 14:00
- Indentation 4:00
- Truthy and Falsy 5:00
- Ternary Operator 4:00
- Short Circuiting 14:00
- Logical Operators 5:00
- Exercise Logical Operators 6:00
- is vs == 6:00
- Loops 9:00
- iterables 10:00
- Exercise Counter 5:00s
- ERange Function 6:00
- enumerate 5:00
- While 1 7:00
- While 2 4:00
- Break Continue Pass 5:00
- First GUI 8:00
- Developer Fundamental 4 7:00
- Exercise remove Duplicates 8:00
- Functions 9:0
- Parameters & Arguments 5:00
- Default Parameter & Keyword Arguments 8:00
- Return 8:00
- Exercise on Function 8:00
- Methods vs Functions 4:00
- Docstrings 6:00
- CleanCode 5:00

- Args & Kwargs 8:00
- Exercise Function 5:00
- Walrus Operator 8:00
- Scope Rules 5:00
- Scope 5:00
- Global 9:00
- Non-Local Keyword 4:00
- Why do we need Scope? 3:00
- Imposter Syndrome Exercise 3:00
- Python Exam Testing your Understanding 1:00

## Section 5: Developer Environment

- Windows Installing Python 5:00
- Windows-get Terminal 1:00
- Python Developer Tool 4:00
- VS Code 8:00
- Jupyter Notebook 13:00
- Section Review 3:00

## Section 6: ADVANCED PYTHON:OBJECT ORIENTED PROGRAMMING

- Note on Upcoming Section 1:00
- What is OOP? (Part 2) 5:00
- What is OOP? 4:00
- Creating Your Own Object 14:00
- Attributes & Methods 13:00
- `_init_` 4:00
- Exercise (Find the Oldest Cat) 4:00
- Class Method and Static Method 7:00
- Reviewing Topics 3:00
- Abstraction 4:00
- Private vs Public Variables 6:00
- Multiple Inheritance 2 2:00
- Multiple inheritance 1 10:00
- Inheritance 2 4:00
- Inheritance 8:00
- Polymorphism 6:00
- Exercise\_Pets 9:00
- Dunder Methods 2 3:00
- Extending List 8:00
- MRO 8:00

## SECTION 7: ADVANCED PYTHON: FUNCTIONAL PROGRAMMING

- Functional Programming 1:00
- What is Functional Programming? 3:00
- Pure Function 5:00
- `Map()` 6:00
- `Filter()` 3:00
- `Zip()` 2:00
- `Reduce()` 8:00
- Exercise on Lambda Function 6:00
- Lambda Function 6:00
- List Comprehensions 6:00
- Set Dict Comprehensions 7:00

## SECTION 8:ADVANCED PYTHON DECORATORS

- Decorators 5:00
- Higher Order Function 2:00
- Decorators 2 7:00
- Decorators 3 4:00
- Why do we need Decorators? 8:00

## SECTION 9: ADVANCED PYTHON: ERROR HANDLING

- Errors in Python 7:00
- Errors Handling 10:00
- Errors Handling 2 5:00
- Exercise on Error Handling 5:00
- Error Handling 3 4:00

## SECTION 10: ADVANCED PYTHON: GENERATORS

- Generators 3:00
- Generators 2 12:00
- Generator Performance 6:00
- Under the hood of Generators 8:00
- Exercise Fibonacci Numbers 8:00
- Quiz 1:00

## SECTION 11: MODULES IN PYTHON

- Modules in Python 7:00
- Packages in Python 10:00
- Different Ways to Import 7:00
- `_name_` 7:00
- Python Package Index 2:00
- Python Built-in modules 2 5:00
- PIP Install 6:00
- Virtual Environment 7:00
- Useful Modules 11:00
- Dict are Ordered 1:00
- Useful Modules 2 6:00

## SECTION 12: : DEBUGGING IN PYTHON

- Debugging in Python 9:00

## SECTION 13: FILE I/O

- Working with Files in Python 11:00
- read, write, append modes 8:00
- File Paths 5:00
- File IQ Errors 8:00

## SECTION 14:Regular Expressions

- Regular Expressions 10:00
- Regular Expressions 2 10:00
- Regular Expressions 3 6:00
- Exercise Password Validation 5:00

## SECTION 15: TESTING IN PYTHON

- Testing Introduction 3:00
- Unittest 9:00
- Writing Unit Test 10:00
- Writing Unit Test 2 1:00
- Writing Unit Test 3 3:00

## SECTION 16: CAREER OF A PYTHON DEVELOPER

- What after Learning Python? 11:00

## SECTION 17: SCRIPTING WITH PYTHON

- Section Overview 5:00
- Images with Python 9:00
- Images with Python 2 4:00
- Images with Python 3 3:00
- Open CV 1:00
- PDFs with Python 6:00
- Exercise PDFs 4:00
- Project Password Checker 1 4:00
- Password API 8:00
- Optional Hash Function 5:00
- password checker
- Password Checker 2 7:00
- Password Checker 3 6:00
- Twitter API 1:00
- Twitter API 2 5:00
- Our First Twitter Bot 7:00
- Our First Twitter Bot 2 6:00
- astro
- bulbasaur
- charmander
- pikachu
- squirtle

## SECTION 18: SCRAPING DATA WITH PYTHON

- Web Scraping Introduction 5:00
- Google bot and hackers news 3:00
- Requesting Data & Beautiful Soup 5:00
- BeautifulSoup Basics 9:00
- BeautifulSoup Selector 8:00
- BeautifulSoup Selector 2 3:00
- Hacker news Project 12:00
- Web Scraping and API 5:00
- Hackers news Project 2 10:00
- scrapy.py

## SECTION 19: Automation Testing

- Section Overview 2:00
- Selenium Introduction 8:00
- Selenium Basics 6:00
- Selenium Basics 2 13:00
- Selenium Basics 3 1:00

## SECTION 20: MACHINE LEARNING AND DATA SCIENCE

- Section Overview 15:00
- How data Works? 6:00
- Tools in Machine Learning 1:00
- data.csv
- Data Science 1 6:00
- Data Science 2 13:00

- Data Science 3 1:00
- soccerpy
- Machine Learning 1 13:00
- Machine Learning 2 4:00
- Machine Learning 3 2:00
- iris\_ml

