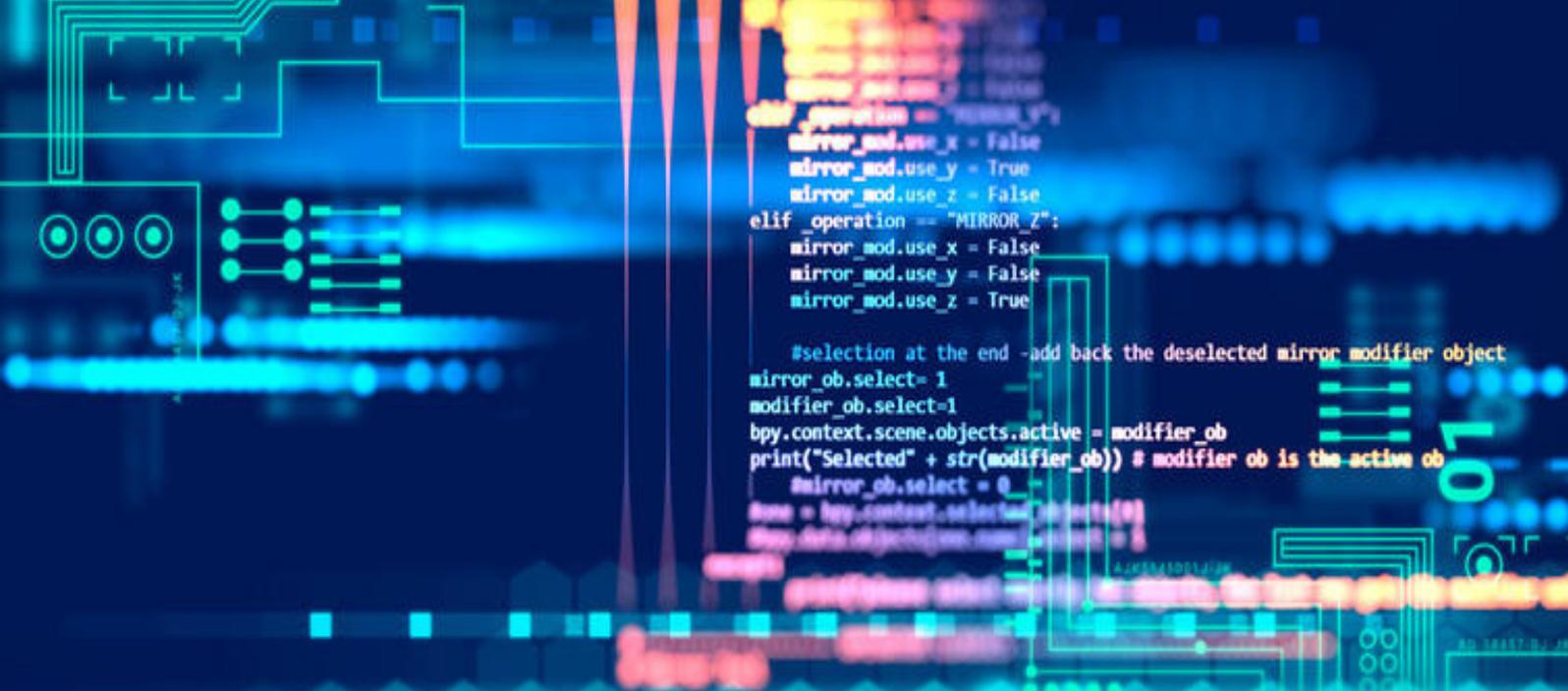




# ULTIMATE PYTHON PROGRAMMING

 [www.iprulers.com](http://www.iprulers.com)  [training@iprulers.com](mailto:training@iprulers.com)



**Python** is one of the most versatile programming languages, mainly because it supports multiple programming paradigms. For example, you can use it for object-oriented programming, aspect-oriented or functional programming.

IPRULERS Ultimate Python programming covers advanced coding techniques and core concepts with efficient methods. This course covers from fundamentals to Django framework. Django is a high-level Python web framework that encourages rapid development and clean, pragmatic design. You'll harness the power of complex data structures like lists, sets, dictionaries, and tuples to store collections of related data. You'll define and document your own custom functions, write scripts, and handle errors.

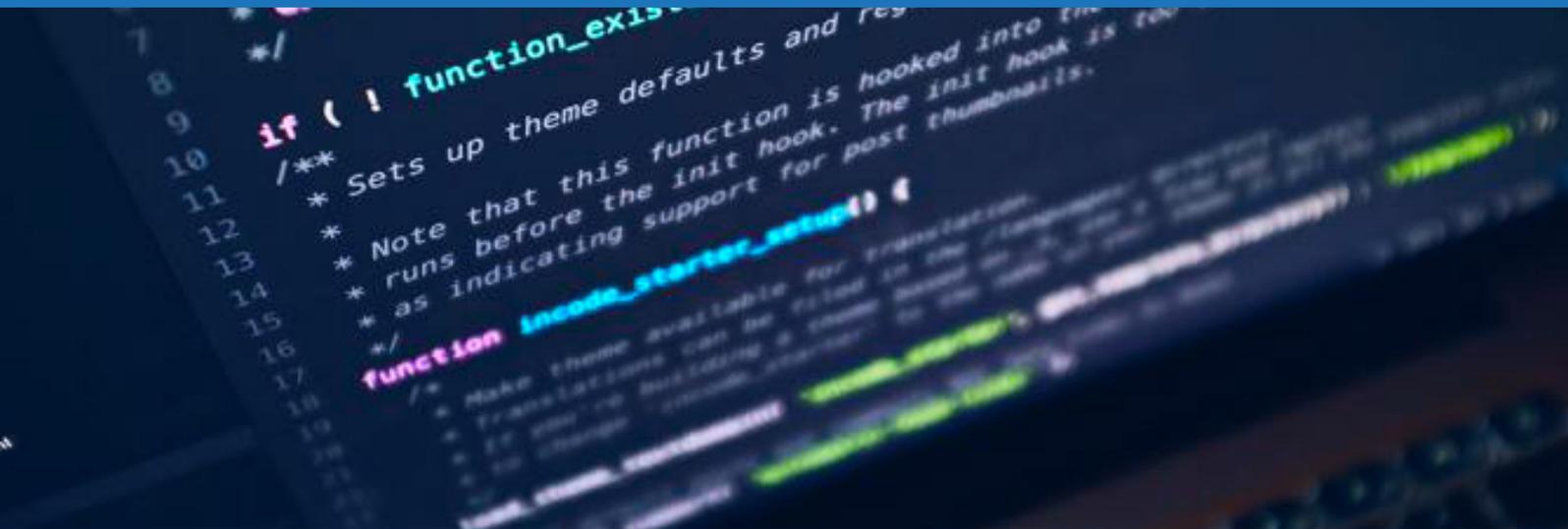
Apart from the theoretical knowledge, we also lay a major emphasis on providing practical knowledge to the students to ensure that they are able to implement their knowledge in the real world scenarios. We have a team of experienced professionals to impart knowledge to our students and our IT labs are equipped with all the latest systems and technologies.

## COURSE DETAILS

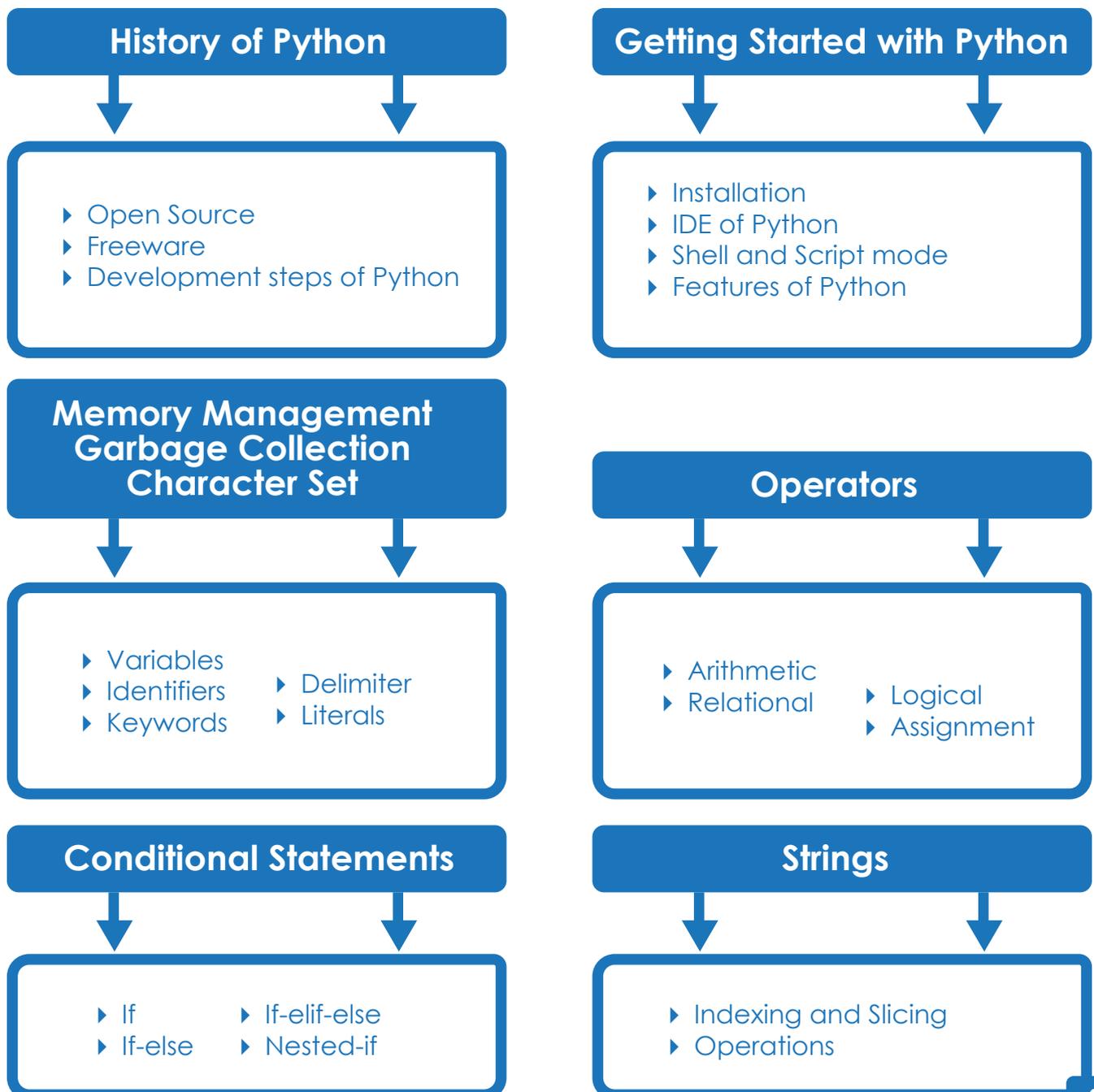
From this course cover knowing how Python as the best object-oriented programming language. IP Rulers 'Ultimate Python Programming' is a program focused on beginner on python programmers who can become an expert on it. It covers many Python concepts in depth. You will learn how to program with Python with no previous knowledge of coding required once you successfully complete the course.

## PREREQUISITES

Ultimate Python programming course does not require any particular qualification for attendance of the course. This training is suitable for fresher, graduates as well as post graduates. If you are a professional who want to polish your skill, then also you can join this training.



## Module 1: Python (20 Hrs) - Introduction to Python



## Introduction to Iterations

- ▶ For loop
- ▶ While loop
- ▶ Continue
- ▶ Break
- ▶ Pass

## User defined Datatypes

- ▶ List
- ▶ Tuple
- ▶ Dictionary
- ▶ Set

## Lambda Function

- ▶ Filter
- ▶ Map
- ▶ Reduce

## User-Defined functions

- ▶ Syntax of function definition
- ▶ Passing parameters and returning values

## OOP Concepts

- ▶ Object
- ▶ Class
- ▶ Inheritance
- ▶ Type of inheritance
- ▶ Abstraction
- ▶ Polymorphism

## Introduction to python modules and related Built-infunctions.

- ▶ What is a module?
- ▶ Math module
- ▶ Random module
- ▶ Statistics module
- ▶ Python RegEx

## File Handling

- ▶ Introduction to file handling
- ▶ Types of files
- ▶ Text File
- ▶ Binary File
- ▶ CSV File (Comma Separated Values File)
- ▶ JSON
- ▶ File modes in python.

## Exception Handling in Python

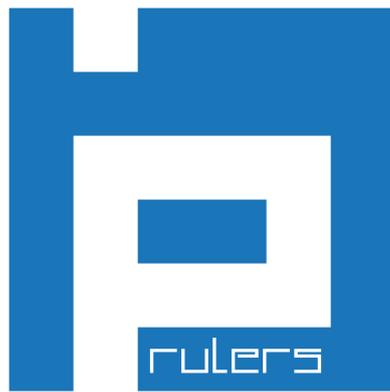
- ▶ Try
- ▶ Except
- ▶ Finally
- ▶ Raise exceptions



- ▶ IP Rulers is managed by an expert team of trainers with over ten years' experience in the industry and in hands-on training.
- ▶ All the trainers have multiple certifications in their respective areas of interest.
- ▶ Individual trainers' profiles can be provided upon request by email, along with demos and LinkedIn profiles.
- ▶ Online and classroom demos are also available upon request.

## BENEFITS

- ▶ Write and deep Understanding of Python Programs.
- ▶ Self-develop any project based on python language.
- ▶ Can apply for job specifying python as a skill.
- ▶ Get a kick-start in the field of Network Automation & Data-Science like AI, Machine learning and predictive analysis
- ▶ System automation and administration.
- ▶ Data science, Scientific and mathematical computing and Web development



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