

Python Certification Training

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About Course

JustAcademy's Python programming certification training is curated by top industry experts. This extensive Python online course is created to help you master important Python programming concepts such as Data Operations and File Operations. This Python course is live, instructor-led & helps you master various Python libraries such as Pandas, Numpy and Matplotlib to name a few, with industry use cases. Enroll now to learn Python online & be a certified Python professional with JustAcademy.

Python Programming Course Curriculum

Introduction to Python Training

Topics:

- 1) Python and its applications.
- 2) Installation and configuration.
- 3) Working with IDLE (Integrated Development & Learning Environment).
- 4) “Hello World” program.
- 5) Data Types.
- 6) Python Installation
- 7) Variables
- 8) String concatenation
- 9) Indexing.
- 10) Slicing of strings.

String Manipulation

Topics:

- 1)String concatenation.
- 2)Indexing.
- 3)Slicing of strings.
- 4)Typecasting and its applications.
- 5)Escape character
- 6)User inputs.

Data Structures

Topics:

- 1)Differences between lists and tuples.
- 2)Dictionary.
- 3)Practical applications of data structures.
- 4)Dits.
- 5)Stack.
- 6)Queue.

What are the modules in Python?

Topics:

- 1)Definitions and implementation of classes.
- 2)Variables in Python.
- 3)Functions that can be used inside another program.
- 4)Important Modules in Python.
- 5)Advantages of Modules.
- 6)Math Module.
- 7)Static Module.

What are the modules in Python?

Topics:

- 1)Definitions and implementation of classes.
- 2)Variables in Python.
- 3)Functions that can be used inside another program.

4) Important Modules in Python.

5) Advantages of Modules.

6) Math Module.

7) Static Module.

Control Loops in Python

What are the 3 types of loops in Python | for loop in python with condition

Topics:

1) For loop using else statement.

2) The infinite Loop.

3) "Nested" loops.

4) Syntax for "Nested" loops in python programming language.

Types functions In Python

Topics:

1) Python Function with no argument and no return value.

2) Function with no argument and with a Return value.

3)Python Function with argument and No Return value.

4)Function with argument and return value.

Object Orientation Programming in Python

Introduction to object oriented programming design paradigm.

Topics:

1)Define a class, which is a sort of blueprint for an object.

2)Practical implementation of object oriented programming.

3)Use attributes and methods to define the properties and behaviors of an object.

4)Using inheritance to create child classes from a parent class.

Errors and Exceptions

Topics:

1)Syntax Errors.

2)Exceptions.

3)Handling Exceptions

- 4)Raising Exceptions.
- 5)Exception Chaining.
- 6)User-defined Exceptions.

Application Programming Interface (API) in Python

Topics:

- 1)Webhooks in Python with Flask.
- 2)How to extract Youtube data using Youtube API.
- 3)How to use gmail API in Python.
- 4)How to use Shodan API in Python.
- 5)How to make Telegram bot in Python.
- 6)How to Google rank page in python.