Python Part 1: Fundamentals

Modality: On Demand

Duration: 9 Hours

About this course:

This series of courses is designed to clear the concepts of understudies and give them a better understanding about configuring and installing syntax, Python, statements, importing, strings, types, files, Booleans, tuples, lists, functions, comprehensions, and classes. Becoming an amazing and expert programmer is just like constructing a humongous building of information with powerful and strong infrastructure, which in turn is the way to prosperity. By taking this course, you will have a strong ground in these aspects.

Learning objectives:

The course has the following learning objectives:

- Students will possess the skills to develop programs that align with a user with a terminal of text.
- Students will be gaining very useful and sufficient amount of knowledge of all the key concepts of Python
- Gaining comprehension of Lists, Tuples, statements, and functions.
- Learning the functions of writing that take in any argument number
- Operating Syntax, Import, and other Topics
- Creating basic games on the basis of random number generation estimations
- Cultivating a smart relationship with a computer
- Learning about the ways of utilizing Strings, Booleans, and Files
- Creating a system that encodes messages
- Developing a program that decrypt coded messages

Audience:

The course has been designed for the following groups:

- High school students who wish to know about how to start programming
- IT experts who wish to gain a quick grasp on Python
- Instructors/Tutors wishing to find perfect training material for Python
- Programming students trying to get a workable jargon-free approach
- New learners wanting to build their career in Python programming

Requirements:

Before taking this course, it is important to fulfill these requirements:

- Must be having functional Apple Mac or Windows PC with OSX

- Possess key understanding of mathematics (Year 8 level)
- Self-Paced learning capability
- Must be having Python in the computer (from python.org)

Course Outline:

Here are the course outline for the course:

- Chapter 01 - Install and Configure
- Chapter 02 - Syntax, Import, Other Topics
- Chapter 03 - Statements
- Chapter 04 - Types
- Chapter 05 - Strings, Booleans, and Files
- Chapter 06 - Lists, Tuples, Comprehensions
- Chapter 07 - Functions
- Chapter 08 - Classes