Introduction to Python: Absolute Beginner

Modality: On Demand

Duration: 20 Hours

About the course:

Are you new to the world of text based programming and aren't familiar to Python layers or any of its concepts then this course was made for you. This is your chance to learn coding in the simplest way possible with the help of practical examples providing you with hands on experience and ample of projects that will allow you to use Jupyter Notebooks on Azure.

You will find yourself experienced with things like data types and variables, formatting, testing etc. You will also familiarize yourself with conditionals and nested conditionals, parameters and arguments. This course will enable you to use python methods in order to make programs which will allow users to use conditional logic and control things such as text and numbers and request further input. Not only all of this but in addition to this you will also be able to learn basic troubleshooting. If you want to start coding immediately then sign up for this course.

Aims:

- Use of python in Jupyter Notebooks
- Being able to create reusable functions with the aid of parameters and return values
- Collection of input and handling input/output
- Decisions and repetition with the help of loops and conditional statements.

Targeted Audience:

- System Analyst
- Programmers

Prerequisite:

No prerequisites are set for this course. Anyone can apple.

Course Outline:

Module 1 Basics

- Starting Jupyter Notebooks
- Types & Variables
- Type Function
- Addition & Errors
- ASCII Art
- Input

- Print Formatting
- Quote display & Boolean
- String Formatting &" in" keyword
- Basics Practice
- end of Mod coding assignment

Module 2 Functions

- Simple Functions
- function return & multi-parameters
- Sequence
- Function Practice
- end of Mod coding assignment

Module 3 Conditionals

- Conditionals: Boolean Strings
- Conditionals: Comparison Operators
- String Comparison
- Conditions elif and casting
- Math Operators
- Conditionals Practice
- end of Mod coding assignment

Module 4 Nesting and Loops

- Nested Conditionals
- Escape Sequences
- 'while' loop and incrementing
- 'while' Boolean loops
- Nesting and Loop practice
- end of Mod coding assignment

Module 5 Final Evaluation

- Final Coding Assignment