Python Immersive Bootcamp

Learn Python Functions Loops Classes Database File

www.blockchainainyc.com

Fees & Schedule

	Part Time	Full Time
Enrollment option*	3 Days a week (9 hours per week for 6 weeks)	5 Days a week(20 hours per week for 3 weeks)
Timings	Slots: 9:30-01:30, 02:30-5:30, 06:30- 9:30	
In Campus Class Hours**	50 hrs	
TA monitored In Class Lab Sessions	25 hrs	
Monitored Quiz	5 hrs	
1-on-1 with Instructor	5 hrs	
Total in campus	90 hrs	
Price:	**$1200 (Option to pay in three installment of $400 each)**	

*Repeat the course without extra tuition

** Batch size of under 5

Course Outline

Terminal commands in Ubuntu
Git versions of common source management concepts and commands
Variable types Data types: strings, integers, floats, lists
Data types: tuples, dictionaries, sets
For loops vs While loops
Functions
If statements
Indexing and slicing
Python's datetime format

Reading from a File
Making a List from a File
Analyzing a File's content
Regular expressions
Writing to a File
Appending to a File

Program structure
Args and Kwargs
Exceptions
Assert statements

Creating Objects
Classes and Methods
Relational databases and SQLite

Python and the Web, Web scraping
Modular Programming

Big-O notation & Data structures

Numpy Arrays and Features
Scientific computing with Python
Creating and manipulating NumPy Arrays
Computation on NumPy Arrays
Broadcasting and UFuncs
Sorting and Indexing NumPy Arrays

Python Data Analysis Library - Pandas
Aggregating data in Pandas
Data Indexing and Selection
Logic, Control Flow and Filtering in Pandas
Aggregation and Grouping
High-Performance Pandas