PYTHON

COURSE SYLLABUS

WWW.SLAINSTITUTE.COM | +91 88707 67784

SLA Institute: No:10, PT Rajan Salai, KK Nagar, Chennai: 600078
Website: www.slainstitute.com | www.softlogicsys.in | www.slajobs.com
Mob: +91 88707 67784 **|** +91 8608 700340 **|** +91 8681 884318

Python Syllabus

SLA is one of its kind Institute which not only equips you in technology skills but will train you for free in Aptitude skills, Soft Skills, Mock Interviews, Interview Skills, Work ethics and Corporate Values that you need to know to get into IT Industry. Our training is given by expert real time development experienced trainers and we enable each and every student of ours to do their own real time projects by the end of the program.

We do not buy you a job by bribing companies to secure a place in IT, instead we equip you with the skills needed to get employed in IT and will support you with unlimited number of relevant interview opportunities so that your career in IT becomes assured. Our support will be there until you get placed in an IT Company as that's our mission too.

If you want to just have an IT certification, you can do your course anywhere. If you aspire to get into an IT Job, then you should choose SLA. With SLA, your IT dream will definitely come into reality.

Please go through the long list of our student reviews / offer letters @ www.joinsla.com to get to know more about us.

Introduction

❖ Installing Python in Windows/Linux/Mac OS
❖ Using Python interpreter
❖ Execute a Script
❖ Structuring with Indentation
❖ Editors

Data types and Variables

❖ Variables
❖ Variables v/s identifiers
❖ Naming convention of variables
❖ Keywords

Data Structure

- ❖ List
- ❖ Tuples
- ❖ Sets
- ❖ Dictionaries

Input And Output

- ❖ Input function
- ❖ Input with raw_input()
- ❖ Output with old string format
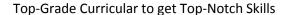- ❖ Python format function

Control Flow

- ❖ If/Else Statements
- ❖ For/while Statements
- ❖ Range() function
- ❖ Break and continue statements
- ❖ Else clauses on Loops

Functions

- ❖ Defining Function
- ❖ Default Argument
- ❖ Keyword Argument
- ❖ Arbitrary Arguments List

File Handeling

- ❖ Reading from the file
- ❖ Writing to the file
- ❖ Methods of file objects

Error And Expectation

- ❖ Syntax Errors
- ❖ Exceptions
- ❖ Handling Exceptions (try, except)

Module

- ❖ Creating Modules
- ❖ Import a module
- ❖ Import the names
- ❖ Executing modules as scripts

Class Concept

- ❖ Class Syntax
- ❖ Class Objects
- ❖ Instance Objects
- ❖ Method Objects
- ❖ Class and Instance Variables

Advanced Modules

- ❖ Regular Expressions
- ❖ datetime - date and time libraries
- ❖ Dealing with Excel
- ❖ GUI
- ❖ Web Scrapping

Python Analytic

Numeric and Scientific calculations

- ❖ Numpy
- ❖ Scipy
- ❖ Pandas
- ❖ Matplotlib
- ❖ Scikitlearn
- ❖ Statsmodels
- ❖ Seaborn
- ❖ Urllib2

Classification and clustering algorithms

Are you happy with our course curriculum? Then why you delay? Take your mobile phone and ring us quickly on +91 88707 67784.