

Online & Class Room Training
Instructor-led Classes
Small Batches for 1-1 Care
Project from scratch
Job referrals
Course completion certificate
Lab in daily class
Real-Time 16 yrs Trainer

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ALGORITHM TRAINING INSTITUTE

The Programming Institute



Python trainer is an IITian with 16 yrs exp who trained 80+ batches

ADVANCED PYTHON COURSE CONTENT

BASICS

Tokens
Operators
Data Types
Branching
Loops
Lists
Tuples
Sets
Dictionary
Arrays
Sorting
Searching
Functions
PDB

OOPS

Class
Method
Constructor
Destructor
Data hiding
Static member
Static method
Polymorphism
inheritance
Nested classes
Decorators
Operator overloading
Function overriding

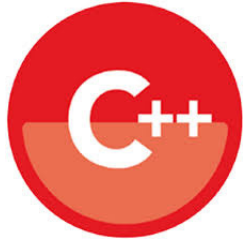
SCRIPTING AND AUTOMATION

Strings
Regexp
Find pattern
Extract pattern
File IO
command line args
OS Module

EACH TOPIC WOULD BE EXPLAINED WITH PROGRAMS AND ASSIGNMENT PROGRAMS

ADVANCED PYTHON COURSE CONTENT

Advanced Topics	Modules	Project
Iterator	Sys	Railway reservation Project using GUI
Decorator	Time	
Multithreading	OS	Description:
GUI Programming	Re	
Socket Programming	Numpy	1. Design GUI to enter new passenger and train details and write backend program to save the information in database
Python Games	Matplotlib	
Data Base Connection	Socket	2. Design GUI to enter source and destination details and provide button to search train details and select one of the train to book a ticket
REST API	Cx_oracle	
Web Scraping	Thread	3. Design the GUI to enter passenger details and provide option to book a ticket and through 4. Design UI and complete backend work to book a ticket or cancel the ticket
Collections	Tkinter	
DJANGO	Django	
Multi Processing	Requests	
Interactive Automation	Expect	
Visualization	multiprocessing	
Process Excel Sheet	BeautifulSoup	
Portable OS commands	Sklearn	
	Pygame	
	Pandas	



Data Structures
and
Algorithms



OUR TRAINING

Free Demo

You can join a free demo and interact with the trainer before joining the course

Programming Courses

Data Structures and Algorithms for interviews

Python Scripting
Advanced Python
Python Full Stack
DJANGO

Java
C C++
Oracle SQL PL/SQL MySQL
.Dot Net
Android

Web Development Full Stack
Angular
React
Node JS
HTML CSS

Technology Courses

Data Science
Machine Learning
Deep Learning
Neural Networks

AWS

"We can make sure you to write programs in the class"

"Analyse and practice more programs to crack top MNC interviews"