

Summer training & project Internship program 2019



& Advance Python

**Summer training & Project Internship
program Bundled with Microsoft
International Certification
Exam 98-381**

Python

Opp's

Object Oriented Programming
What is OOP
Basic class
Constructor
inheritance
Override method
abstract class
operator overloading
method overloading

Python

Installing python
Variables
Strings
Numbers
Get Variable Value
How to Program
Math Operators

Built-in Functions

Simple Sum

Lists

List Indexing and Slicing

List Slicing Examples

Indexing

Slicing

More on Indexing

More on Slicing

List Indexing

List Methods

Quiz 1: Indexing and Slicing

Append to List

Remove from List

Append from List to List

Concatenate List Items

Tuples

Dictionaries

Create Dictionary

More Operations with Dictionaries

User Input

Conditionals

Conditionals with Multiple Conditions

Conditionals

Custom Functions

Custom Functions: Example

Create Function

Exponential Function

Custom Functions: Return vs Print

[Custom Functions with Conditionals](#)

Calculate Length

Solution

Custom Functions with Multiple Parameters

Sum up Function

Function Output

Custom Functions with Default Parameters

Function with Default Parameters

Weather Function

Solution

Functions and if-else (Practice)

Solution

Functions and if-elif-else (Practice)

Solution

Opening Files in Python

Working with File Paths

Processing File Content

Reading Files
Solution
For Loops
For Loops (Practice)
Solution
For Loops
For Loop with Conditional Block (Practice)
Solution
File Content Length (Practice)
Solution
Functions, Conditionals, and Loops (Practice)
Solution
Writing Text to a File
Appending Text to a File
Reading and Appending Text to a File
Write Multiple Lines in a Text File (Practice)
Tip: Writing Multiple Lines in a Text File

Advance features

Section Introduction
Setting Up
While Loop
While Loop with Password Checker
String Formatting
Modules, Libraries, and Packages
Installing Python Libraries
Dates and Times
Datetime Formatting Codes
Looping Multiple Sequences
The "with" Context Manager
Files, Loops, Functions, and Conditionals
Solution
Merging Text Files
Tips: Merging Text Files

Fixing errors

[Syntax Errors](#)

Runtime Errors
Errors
How to Fix Difficult Errors
Good Programming Questions
Error Handling

Introduction to REST APIs

How can we make our own API? What is Flask?
Python cls() and argument unpacking
Creating the User model for our application

Started developing the User model
Creating the login and register
Finding blogs by a specific author
Allowing creation of blogs and posts
Creating the static resources and templates

Using supporting web technologies for developing web app using python

HTML5/CSS
Java Script
Jquery
Installing GIT

Connecting ORACLE database with Python

Connecting and Inserting Data to Oracle database
Selecting, Inserting, Deleting, and Updating
Querying from Oracle database

Working with Django

Install Django
Create A New Project
Run the Web Server
Migrate and Admin Area
StartApp
Django Views
Template Files
URLs
Creating Links
Extends Base File
Block Title
Create a Navbar
Using Python on a Page
Using External Python Programs
Static Image File
More Static Images on About Page

Intro to Numpy

Installing OpenCV
Convert Images to Numpy Arrays
Indexing, Slicing, and Iterating Numpy Arrays
Stacking and Splitting Numpy Arrays

Project

Plus One module on Cyber and mobile security



Bundled Free online Preparation on company specific test like TCS, Infy, Tech Mahindra, Cognizant, Capgemini, Amazon etc.



Training



Assessment



Project work



Post Training support



Online Aptitude prep



Certification

Some sample projects

Creating a news blog in python

Using bootstrap to create a web store

Amazon/e-commerce portal-product-price-tracker-using-python

Online Image sharing application

Image processing :-Face/object recognition using python

www.atsls.com | Program Details

Training Duration :- 50-60hrs (offline plus project support online)

Project :- Included in the program

Fees Rs :-5900 + GST



For Online registration please visit payment.atsls.com



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