Python Language

Python Basics Content : -

1. Python Introduction
- Installation
- Getting Started with IDE
- Keywords & Identifiers
- Statements & Comments
- Python Variables
- Python Datatypes
- Python Type Conversion
- Python Operators
- Ternary Operator

2. Flow Control
- Python if...else
- Python for Loop
- While Loop
- Break and Continue
- Pass Statement
- Looping Technique

3. Functions
- Python Function
- Function Argument
- Lambda Function
- Python Global and Local
- Python Global Keyword
- Python Modules
- Python Package

4. Datatypes
- Python Numbers
- Python List
- Python Tuple
- Python String
- Python Set
- Python Dictionary
- Python Nested Dictionary
- List Comprehension

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5. Handling
- File Handling
- Python Directory
- Python Exception
- Exception Handling

6. Class and Object
- OOPs Concept
- Variables
- Methods
- Constructor
- Class and Object
- Python Inheritance
- Python Polymorphism
- Python Abstraction
- Python Encapsulation
- Overriding

Advance Content : -

- Python Iterator
- Python Generator
- Python Closure
- Python Decorator
- Python Property
- Regular Expression
- Database Connectivity in Python
- Unittest Module
- Read & Write CSV Files
- AWS with Python
- Paramiko Library

Django Framework

Python Basics, Advance & Django Content :

- MVT Design Pattern
- Architecture
- Object Relational Mapper
- Templates
- Forms
- Function & Class based views
- URL Mapping
- Models
- Middleware
- HTTP
- Authentication
- Admin
- HTML/CSS/Bootstrap/JS
- File Uploading
- Sending Mail
- REST - DRF
- Swagger
- Unitttesting
- Many More…!

Other Topics

- Flask Framework Basics
- Selenium Basics
- Code deployment on GitHub, PythonAnywhere
- Unix/Linux Platform
- SQL, MySQL, Oracle/PostgreSQL Database
- End to End multiple mini applications
- Soft skills while learning python
- Interview questions & techniques
- Data Science Basics and a mini project
- Assignments on each topic
- Mock interviews in every 15 days
- Many More…!