

CORPORATE PYTHON+DJANGO

Duration: 120 Hours

0731-4069788

PYTHON
TKINTER
Django
REST

PYTHON

- ❖ History, Features, Setting up path, Working with Python, Basic Syntax.
- ❖ Input and Output in Python
- ❖ Variable and Data Types, Operator.
- ❖ Conditional Statements, Loop, Break, Continue, Pass
- ❖ String Manipulation
- ❖ LIST, Tuple, Dictionary, Set
- ❖ USER DEFINE Functions
- ❖ File handling
- ❖ Exception handling
- ❖ OOPS Concept in Python
- ❖ Data Abstraction and Data Encapsulation
- ❖ Polymorphism and Inheritance
- ❖ Magic Function in Python
- ❖ Decorator in Python
- ❖ Monkey patching concept in Python?
- ❖ How to import and export excel and CSV File in Python
- ❖ Module in Python
- ❖ Multithreading

TKINTER

- ❖ What is GUI Application, What is TKINTER?
- ❖ TKINTER Layout
- ❖ TKINTER WIDGET
- ❖ Event Handling in TKINTER
- ❖ Database connectivity in TKInter using MYSQL
- ❖ Menu and Navigation in TKinter Windows
- ❖ Apply design on TKINTER Application
- ❖ Create Setup of GUI Application using TKINTER

Django

- ❖ **Introduction to Django Complete Django Architecture**
- ❖ **What are MVT and MVC?**
- ❖ **Django Project,app,CLI**
- ❖ **Mapping the views to urls and explain project urls**
- ❖ **Sending data from url to view**
- ❖ **Sending data from view to template**
- ❖ **Template Inheritance**
- ❖ **Django style,template,Theme Integration, Theme development**
- ❖ **Django Security, Get and Post,CSRF Token**
- ❖ **Django Custom Class**
- ❖ **Django Class View, Method View**
- ❖ **Django Form Template**
- ❖ **HTML Form Operation in Django**
- ❖ **CSRF and Form token security**
- ❖ **Django Image, Video Integration**
- ❖ **Django API Development using GET,POST,PUT, DELETE**
- ❖ **Django database connectivity with MYSQL**
- ❖ **Django Database connectivity with Sqlite**
- ❖ **CRUD OPERATION on DJANGO**
- ❖ **DJANGO Form elements using HTML**
- ❖ **Login Form, Registration Form,Session,Cookies,ACL**
- ❖ **File Uploading,AJAX,Validation,MVC Design pattern**
- ❖ **Django Admin Customization**
- ❖ **Django email and SMS configuration**
- ❖ **Bootstrap in Django**
- ❖ **Django REST API**
- ❖ **Create API to implement CRUD Operation in Django**
- ❖ **CALL API in Normal Django Application**
- ❖ **How to USE LISTVIEW and FormView in Django**
- ❖ **Create Live Project in Django**

Design tools

- ❖ **HTML5,CSS3,JS,Jquery,Angular**

Database and SDLC

- ❖ **SQL Query,Table,Relationship**
- ❖ **SDLC,E-R Diagram,DFD,CLASS Diagram, Use Case Diagram,SRS,Synopsys,Project Report**



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