

Python with Django Course

Section 1:

Introduction

Introduction To The Course

Section 2:

Basic Python Concepts

Installing Python And PyCharm, Hello World Program In Python, .Some other mathematical operations in Python, Strings In Python, Accepting input from the user in Python, Performing operations on a string in Python , Variables in Python, In place operators in Python, Writing our very first program in PyCharm, Coding Challenge Part 1

Section 3:

Control Structures In Python

If statement in Python, Elif statement in Python, Introduction to lists in Python, List operations in Python, List functions in Python, Range function in Python, Code reuse and functions in Python, For Loop in Python Boolean logic in Python, While loop in Python , Coding challenge 2, Coding challenge 3

Section 4:

Functions & Modules

In Python Passing arguments to functions in Python. Making function return value in Python, Passing functions as arguments in Python, Modules in Python, Coding challenge 4

Section 5:

Exception Handling & File Handling In Python

Errors & exceptions in Python, Exception handling in Python, Finally block, File handling, Reading data from file, Adding data to the file, Appending to a file, Coding challenge , Coding challenge 6

Section 6:

Some More Types In Python

Dictionaries,Dictionary Functions,Tuple,List Slicing,List Comprehension,String formatting,String functions,Numeric functions,Coding challenge 7,Coding challenge 8

Section 7:

Functional Programming In Python

Functional programming,Lambdas in Python,Map in Python,Filters in Python,Generators in Python,Coding challenge 9,Coding challenge 10,Coding challenge 11,Coding challenge 11 solution

Section 8:

Object Oriented Programming In Python

Object Oriented Programming in Python,Inheritance in Python,Recursion in Python,Sets,Itertools Operator overloading in Python,Data hiding in Python ,Coding challenge 12,Coding challenge 13

Section 9:

Regular Expressions In Python

Regular expressions in Python,Search & find all,Find & replaceThe dot metacharacter, Caret & dollar metacharacter,Character class,Star metacharacter,Group

Section 10:

Create GUI Apps In Python Using Tkinter

Tkinter :

Hello world program,Tkinter: Using frames,Tkinter: Grid layout,Tkinter: Self adjusting widgets,Tkinter: Handling button clicks,Tkinter: Using classes,Tkinter: Using drop downs,Tkinter: Toolbar,Tkinter: Making Status Bar,Tkinter: Message box,Tkinter Drawing Building Calculator App Using Tkinter Building Calculator App Part 1,Building Calculator

App Part 2, Building Calculator App Part 3, Building Calculator App Part 4, Building Calculator app: Source

Section 11:

Building Database

Apps With PostgreSQL & Python, Apps With MySQL & Python, Introduction To Databases, Introduction To PostgreSQL, Installing PostgreSQL On windows, Installing PostgreSQL On Mac, Creating A Database, Creating Table & Adding Data, Reading Data From Database, Setting Up Virtualenv on Mac, Setting Up Virtualenv On Windows, Installing Psycopg2, Connecting To Database With Python Code, Creating Database Tables With Python Adding Data To Database Tables With Python, User Submitted Data To Database , Creating App Layout Adding Entries , Saving Entries To Database, Search Functionality, Listing All Entries

Section 12:

Html

Section 13:

CSS

Section 14:

Bootstarp

Section 15:

DJANGO

Python Compiled or Interpreted Language? , MySQL Workbench Setup | Python Database Connection Python | Git | PyCharm | GitHub, Python GitHub Code Contribution, What is

Django? | Python Web Framework,Setup,First App in Django - part 1,First App Django - part 2,Django Template Language | DTL,Django Template Language - part 2,Addition of Two Numbers in Django,GET vs POST | HTTP Methods,Model View Template in Django | MVT,Static Files – 1,Static Files – 2,Passing Dynamic Data inHtml part 1,Passing Dynamic Data in Html - part 2,If StatementORM | Object Relational Mapper | TheoryPostgres and PgAdmin Setup,Models and Migrations,ReMigration,Admin Panel,Add and Fetch data from Database,User Registration - 1User Registration – 2,Passing Messages,| User login,ser Logout.

Section 16:

- Project
- assignments