Python3 Scratch To Pro

Description:

This course will help you to grab the fundamentals of Python3 and implement in real life to solve problems.

Instructors:

Hitesh Choudhary

Duration:

Language:

English

Price:

25000

Requirements:

System with Internet Connection, Interest to learn, Dedication

Features:

Course material, Course resources, On demand recorded videos, Practical exercises, Quizzes, Assignments, Course completion certificate

Learn:

Introduction and installation of python, First interaction with python basics, Conditionals and loops, Detail analysis of data types, Functions Files and Exceptions, Python challenges for fun, Object Oriented programming in python, Database TODO App, Advance side of python, Handling API in Python

Curriculum:

- Introduction and installation of python:
  - Introduction to python course
  - Python Installation
  - Pycharm Installation on Windows
  - Installation of python on MAC
  - Installing Pycharm in MAC
  - Using VSCode for python- optional
- First interaction with python basics:
  - Indents and commnets
  - take input from user and challenge
  - input challenge solution
  - getting started with variables in python
  - numbers and strings basics in python
  - Lists and tuples basics in python
  - Dictionary in python
- Operations in Python:
  - Arithmetic and comparison operators in python
  - Logical operations in python
  - Membership and identity operations in python
- Conditionals and loops:
  - Introduction to conditionals
  - Design a rating system in python
  - While - Getting started with loops in python
  - First step to read documentation
  - For loop in python

  - Break keyword in python loops
  - continue and pass keywords in python
- Detail analysis of data types:
  - Randomness in python
  - Using math library in python
  - String are powerful in python
  - Detail talk about lists in python
  - Tuples and dictionary talks in python
- Functions Files and Exceptions:
  - getting started with functions in python
  - Multiple arguments in python
  - lambda in python
  - design custom modules in python
  - Find the day assignment in python
  - Main method and file handling in python
  - Exception handling
- Python challenges for fun:
  - Prime number and challenges
  - range of prime numbers
  - finding factorials
  - Get matrix input and print it
- Object Oriented programming in python:
  - Introduction to class
  - objects and constructor in python
  - Getters and setters in python
  - Inheritance from Samsung to iphone

- Method overriding in python

- Database TODO App:
  - Read sqlite3 documentation first
  - Database helper in sqlite3 part 1
  - databse helper file part 2
  - Debugging and finishing the app
- Advance side of python:
  - Iterator and generators in python
  - Maps and sets in python
  - All and any functions in python
  - Collections and deque
- Handling API in Python:
  - Requests and JSON handling in python
  - Get a unique user every time - Project