Python3 Scratch To Pro

Instructors:

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I like to make videos related to code and tech in my free time. I also lead a few tech teams in startups, help in hiring talent for companies. I am also on a part time traveller, with 31 countries checked off so far!

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