

Course Python for All (3 Month) Course

Instructor

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(Trainer)

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Location

Karachi
Live on Zoom

Course Hours

2 Hours,
2 /3 Days a week

Course Overview

- This course is aimed at complete beginners who have never programmed before, as well as existing programmers who want to increase their career options by learning Python.
- Python is one of the most popular programming languages in the world
- Python is the number one language choice for machine learning, data science and artificial intelligence.
- This course is for complete beginners and covers the popular Python programming language. You'll learn basic concepts as well as:
 - ➔ The Basics of Python
 - ➔ Object Orientated Programming
 - ➔ Regular Expression
 - ➔ Django web framework
 - ➔ Web scraping
- By the end of the course you'll be able to apply in confidence for Python programming jobs. And yes, this applies even if you have never programmed before. With the right skills which you will learn in this course, you can become employable and valuable in the eyes of future employers.

Who take this course is for:

- Office workers, students, small/home business workers, and administrators would want to improve their productivity.
- Those with no prior knowledge of Python.
- Those who know Python basics and want to master Python
- Aspiring software engineers who want to add skills to their programming tool belt. Computer users who have heard the "learn to code" message, but want practical reasons to learn programming.

Required Knowledge for Taking this course,

- English understanding and reading book Habit,
- No programming experience is required
- Basic computer skills
- Basic understanding of running programs on machine
- saving and opening documents

Course Materials,

YouTube , Udemy . Lynda Sir Zia khan courses ,

<https://www.amazon.com/Smarter-Way-Learn-Python-Remember/dp/1974431479>

<https://www.amazon.com/Python-Guide-Beginner-Crash-Course/dp/1718117019/>

[ref=sr_1_1_sspa?ie=UTF8&qid=1549875795&sr=8-1-](https://www.amazon.com/s?ref=sr_1_1_sspa?ie=UTF8&qid=1549875795&sr=8-1-spons&keywords=python+crash+course&psc=1)

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[https://www.amazon.com/Python-Crash-Course-Hands-Project-Based/dp/](https://www.amazon.com/Python-Crash-Course-Hands-Project-Based/dp/1593276036/ref=sr_1_3?ie=UTF8&qid=1549875826&sr=8-3&keywords=python+crash+course)

[1593276036/ref=sr_1_3?ie=UTF8&qid=1549875826&sr=8-](https://www.amazon.com/Python-Crash-Course-Hands-Project-Based/dp/1593276036/ref=sr_1_3?ie=UTF8&qid=1549875826&sr=8-3&keywords=python+crash+course)

[3&keywords=python+crash+course](https://www.amazon.com/Python-Crash-Course-Hands-Project-Based/dp/1593276036/ref=sr_1_3?ie=UTF8&qid=1549875826&sr=8-3&keywords=python+crash+course)

Course Schedule,

First month	Topic
Week 1	<ul style="list-style-type: none">• <u>Introduction to the course</u>• Version Control with Git• Working with Git
Week 2	<ul style="list-style-type: none">• Getting Started with Python• Variables and Simple Data Types• Introducing Lists• Working with Lists
Week 3	<u>Flow Control</u> <ul style="list-style-type: none">• If Statements• else Statements• Working with if else
Week 4	<ul style="list-style-type: none">• Dictionaries• Basic of loops , while loops• Working with Dictionaries & loops• Basic program with Python

Exam Schedule,

Second month	Topic
Week 1	<u>Functions</u> Python's Built-In Functions Writing Your Own Functions Global and Local Scopes
Week 2	Modules and import Writing a "Guess the Number" Program
Week 3	Object Orientated Programming and Classes Class Attributes String Methods, String Formatting Files and Exceptions
Week 4	Sorting, List Comprehensions, Generators and Iterators, and Randomness Functional Tools, enumerate, zip and Argument Unpacking

Exam Schedule,

Third month	Topic
Week 1	Regular Expression Concept of Model-View-Controller (MVC)
Week 2	Set-Up and Installation Django Level One – Basics Django Level five – Advance Django Deployment
Week 3	Section Introduction The Concept Behind Web Scraping Parsing HTML with the Beautiful Soup Module Web Scraping Example
Week 4	Online Book Store Project Social Media Site Project

Homework Policy

Every Student will do home work and assignment will be submit ion on time ,

we will count and give the numbers of each assignment

if any students can't complete the assignment will be push for complete the assignment ,

after completion of course if assignment and project will not complete so students will be not eligible for certificate,

if any student attendance less then 80% not eligible for certificate,

if any students poor in code we will give the opportunities for next batch with 50% off ,

Additional Information