

# Beginner Programming Fundamentals With Python

## Introduction

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# Before start!

Lets **know** each other!

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(My Profile)

## Ali Samanipour

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## Summary

A Technical Software Product Manager with strong knowledge and background in software engineering(Software Architecture, Software Technical Design & Software Development) and agile software development management, interested in working on decentralized blockchain-oriented (Specially Web3.0 DApps & Enterprise grade permission-based blockchain-oriented software), token economic-based (Tokenomics), financial technologies(Fintech), and smart IoT-based cyber-physical systems and applications.

# Before start!

Lets **know** each other!  
(Your Turn!)

# Course overview

You will learn python **from scratch**, no prior knowledge require!

→ Start from basics and dive deeper!

→ Working on real challenges and a project

After this course you able choose your favorite branch

→ Desktop Apps, Web Apps and Scripting

→ Data Science and AI

At first you should be a **problem solver**

Project(s)

Challenge(s)

**Evaluation**  
To pass : 75 / 100  
To get certificate : 90 / 100

Exam!

Exercise

# Class Rules

**Learn by doing,  
instead of read and  
memorize**

**Collaborate and be  
active**

**Finally, everything  
depends on you**

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# Course structure

Introduction to  
programming

Input, Output, Processing

Decision Structures

Repetition Structures

Functional Programming

Introduction to Complex  
Data Structures

Exercises

Challenges

Projects



# Accessing Resources (Codes, Slides, etc.)



**[github.com/Samanipour](https://github.com/Samanipour)**



**[t.me/SamaniGroup](https://t.me/SamaniGroup)**

# References

- **Automate The Boring Stuff With Python, 2nd Edition: Practical Programming For Total Beginners**
- **Python Crash Course, 2nd Edition: A Hands-On, Project-Based Introduction To Programming**
- **Supercharged Python: Take Your Code to the Next Level**
- **Python Tricks: A Buffet of Awesome Python Features**
- **Learn Python the Hard Way: A Very Simple Introduction to the Terrifyingly Beautiful World of Computers and Code**
- **Starting Out with Python, Tony Gaddis, Global Edition**