



Python Advanced Programming

Ray Chinese School

2021 Summer



Introduction

28 Years
programming
experience

5 years
teaching

Python programming class for beginner

Student age --
-- from 10
years old

Remote Class

Why Python

The most popular programming since 2019

Simple syntax and easy to learn

Plenty of packages

Games package

Widely used

Data processing

Machine learning

Goals for advanced class

- Practice python syntax
- Design applications
- Have fun
- Explore

Advanced Programming

- Logging
- File
- Threading
- Lambda
- Data Processing /Matplotlib/ Pandas
- Web application developing (flask)
- Windows UI application (wxPython)
- IL high school python BPA competition projects
- Video/audio/picture editing using Python



Fun Projects for beginners

Lucky sevens

Digital graphic by turtle

Alien video games

ATM



Tools and Apps

- Jupyter Notebook
 - PyCharm
 - Python IDLE
 - Playground – cocalc.com
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