

# Python reading plan

## Fundamental

- Timeline: 20 days
- Target:
  - Understand structure of Python language version 3.6
  - Practices and write good quality code
- Tools (choose one in some option below):
  - Install [Visual Studio](#) and [Python Tools for Visual Studio](#)
  - Or install [Sublime text 3](#) and [Python package for Sublime text 3](#)
  - [Pycharm](#)

## Part I: [Ebook Think Python 2nd \(15 days\)](#)

### Basic (5 days)

Chapter 1: The way of the Program  
Chapter 2: Variables, Expressions, and Statements  
Chapter 3: Functions  
Chapter 5: Conditionals and recursion  
Chapter 6: Fruitful Functions  
Chapter 7: Iteration  
Chapter 8: String  
Chapter 9: Case Study: Word Play  
- *Note: do all exercises in this chapter*

### Collections (5 days)

Chapter 10: Lists  
Chapter 11: Dictionaries  
Chapter 12: Tuples  
Chapter 13: Case Study: Data Structure Selection  
- *Note: do all exercises in this chapter (except the exercise 13-9)*

### OOP (5 days)

Chapter 14: Files  
Chapter 15: Classes and Objects  
Chapter 16: Classes and Functions  
Chapter 17: Classes and Methods  
Chapter 18: Inheritance

Chapter 20: Debug

## Part II: [Ebook Writing Idiomatic Python 3 \(5 days\)](#)

### **Reading:**

Chapter 1: Control Structures and Functions

Chapter 2: Working with Data

Chapter 3: Organizing Your Code

Chapter 4: General Advice

### **Practice:**

- Update code example on part 1 follow knowledge of this ebook.

### **Toolsets (2 days)**

- Manage Python environments with [Virtualenvwrapper](#).
- Simple Python Version Management: [pyenv](#)