

Python Basic Track

LCfP Staff

September 10, 2017

Contents

Introduction	v
0.1 About this book	v
0.2 About the authors	v
0.2.1 Vincent Velthuisen	v
0.2.2 Niels Wouda	v
0.2.3 Nick Szirbik	v
0.3 Acknowledgements	v
1 What it is and what it isn't	1
1.1 Computers	1
1.2 Programming	1
1.3 Software engineering	1
1.4 This course	1
I Codecademy course	3
2 Python syntax	5
2.1 Variables	5
2.1.1 Datatypes	5
2.1.2 Duck typing	5
2.2 Whitespace	5
2.2.1 Keep code together	5
2.3 Comments	5
2.4 Arithmetic operations	5
2.5 Apply these concepts	5
2.5.1 Tip calculator	5
3 Strings & Console Output	7
4 Conditionals and Control Flow	9
5 Functions	11

5.1	Defining a function	11
5.2	Parameters and arguments	11
5.3	Recursion	11
6	Lists & Dictionaries	13

Introduction

0.1 About this book

0.2 About the authors

0.2.1 Vincent Velthuisen

0.2.2 Niels Wouda

0.2.3 Nick Szirbik

0.3 Acknowledgements

Chapter 1

What it is and what it isn't

1.1 Computers

1.2 Programming

1.3 Software engineering

1.4 This course

Part I

Codecademy course

Chapter 2

Python syntax

2.1 Variables

2.1.1 Datatypes

int, float, bool

2.1.2 Duck typing

https://en.wikipedia.org/wiki/Duck_typing

2.2 Whitespace

2.2.1 Keep code together

2.3 Comments

2.4 Arithmetic operations

2.5 Apply these concepts

2.5.1 Tip calculator

Chapter 3

Strings & Console Output

Chapter 4

Conditionals and Control Flow

Chapter 5

Functions

5.1 `def` ining a function

5.2 Parameters and arguments

5.3 (ADVANCED TOPIC) Recursion

Chapter 6

Lists & Dictionaries

Index

authors, v

Nick Szirbik, v

Niels Wouda, v

Vincent Velthuisen, v