

“Beginning Python” by J. D. Rivière

Introduction

Unit 1: The Setup

- Installing Python 3 on Windows
- Installing a code editor (Visual Studio Code)
- Installing Git and setting up an account
- **Project:**
 - Create a “Hello World” file called *app_01.py*
 - Upload *app_01.py* to Github repository

Unit 2: The Basics

- Why Python?
- Data types (Part 1)
- Basic operators
- **Project:**
 - Create a basic math arithmetic file called *app_02.py*
 - Upload *app_02.py* to Github repository

Unit 3: More Types

- Data types (Part 2)
- **Project:**
 - Create a file with a few lists, tuples, and dictionaries, which returns results, called *app_03.py*
 - Upload *app_03.py* to Github repository

Unit 4: The Controls

- Decision-making
- Loops
- **Project:**
 - Create a few basic loop functionalities file called *app_03.py*
 - Upload *app_03.py* to Github repository

Unit 5: The Functions and Modules

- Functions
- Modules
- **Project:**
 - Create a file with a few basic functions called *app_04.py*
 - Upload *app_04.py* to Github repository

Unit 6: The Exceptions

- **Project:**
 - Create a file with a few exception (try/except) called *app_05.py*
 - Upload *app_05.py* to Github repository

Unit 7: The Final Project

- Making a basic functional Calculator
- **Project:**
 - Call the project *basic_calc.py*
 - Upload *basic_calc.py* to Github repository

Conclusion