

**Preface:**

As a beginner in programming, often one way or another, we stumble across Python as a go-to multifunctional powerhouse. Like the other languages, we also see that there is no prescribed course that will guarantee you to be a successful Python programmer. Our aim was to build a workbook that would be conducive to a programmer's journey of learning. In this book you will find everything that two experienced Python professionals feel is essential for a well-rounded, in-depth perception of the language. Although not everything can be covered no matter the given time, we attempt to cover a wide variety of Python essentials in this workbook. You will find that the exemplary programs make best use of numerous Python functions and methodologies such that topics are not repeated. Although you will find a brief explanation of the functions, feel free to utilize the wide range of resources offered throughout the internet keeping in mind there is never only one way to solve a problem. This book will not cover the basics such as the syntax, structure, etc. as you can easily find clear explanations everywhere. Welcome to the world of Python. Let's get started.

**Prerequisites:**

- Python 3.6 downloaded and installed on your local system
- A compiler (suggested use: eclipse, jupyter notebook)
- A text editor (suggested use: sublime text, atom)
- Knowledge of the syntax and structure of Python 3