

Mathython (=Math+Python)

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The \LaTeX source for this book is available from

<http://github.com/debdut/mathython>

Preface

Mathython as you guessed means Math + Python. This book guides you through how can you enrich your mathematical creativity with the master tool Python. This book requires neither any previous knowledge of Python nor any experience with programming. But some experience with middle school mathematics and eagerness to explore is expected. The format of this book is almost like story-telling although it covers some serious topics. I earnestly hope that you will enjoy it. If you find any error feel free to contact me or commit your fix at <http://github.com/debdut/mathython> . I will be very happy to receive any comments or ideas about this book.

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Chapter 1

Creating Mathython Environment

In this chapter we will create the [Mathython](#) Environment. I have been using GNU/Linux environment while writing this book and will assume that you are also running some GNU/Linux distribution or atleast some Unix-type operating system. I hope that does not deter you from reading this book! [Don't worry! this chapter includes instructions for setting up GNU/Linux distribution.](#) Or if can import my instructions for use in windows, I won't mind. If you are in MacOS, feel happy because you are already in a Unix-type environment but still there will be some differences.

Chapter 2

Python & Numbers

2.1 Hello Numbers

Lets get our hands dirty! We start with this [Hello Numbers](#) example :

```
# This program prints the counting numbers 1, 2, 3, 4 ... 10  
  
print 1, 2, 3, 4, 5, 6, 7, 8, 9, 10
```

Write or copy this code into file [hellonum.py](#), save it and run it. You will probably get this :

```
1 2 3 4 5 6 7 8 9 10
```

Appendix A

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