Book Review

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Python programming – Beginner to Pro by Michael Urban and Joel Murach, published by Mike Murach & Associates, Inc., 4340 N. Knoll Ave, Fresno CA 93722, Pages 553, Hardcover, Rs. 975

Nowadays we hear and see a lot about Artificial Intelligence (AI) and its applications everywhere. AI is mainly built by using programming languages, mainly Python. Hence, anyone wanting to learn AI needs to first start with Python. Python programming helps a great deal with data analysis as well. In the present times, this programming language has advanced to such an extent that it can be used to develop everything from a website to various AI tools and apps.

A beginner needs to learn the fundamentals of Python programming thoroughly before delving into the more advanced concepts. There are several relevant resources available for it ranging from YouTube to online blog sites. These varied resources might confuse one with their lack of reliability. This book popularly known as Murach's Python programming comes highly recommended by advanced learners and is available on Amazon.

These recommendations are based on several reasons. Firstly, this is an easy to understand book which provides you a lot of information at a relatively faster rate while also making it easy to consume this information. In addition, it provides several relevant examples and exercises that helps make learning fun and easier. This book provides increasing levels of difficulty which is essential to the process of mastering programming. Once the reader learns how to design and build program with different functions, they are taught how to design and build object oriented programs. This book gives 45 complete programs to develop the reader into a professional programmer. A special feature of this book is provision of every concept in "paired pages", this has all the coding part with examples on the right page and additional explanation on the left page, which allows the reader to absorb the information at a better pace.

This book is divided into 4 sections. First section has chapters 1 to 8 for Python which is useful for beginners as well as the experienced readers. Second section through chapters 9 to 13 deals with other essentials of Python which every programmer should know with dates, time, dictionaries, recursions and algorithms. Section 3 includes chapters 14 to 16 that explain the process of designing and developing object oriented programs. Section 4 consists of chapters 17 and 18 which showcase the applicability of the skills learned in the first three sections when applied to real world programs. Chapter 17 shows the application of Python for database programming and chapter 18 shows the use of Python for development of programs with Graphical User Interfaces (GUIs).

Once the reader is done going through this book, their next read can be data analysis using Python while learning how to use Python for Machine learning and to build AI apps. The publisher of this book also has other books on data analysis, MySQL, programming for database servers, data Science and other programming languages like Java and C++.
By and large, this book will find it really hard to disappoint a serious learner.