

Python 3 Essentials

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Top 10 Books To Learn Python For Beginners and Advanced | Best Books For Python | Simplilearn *Mastering Python - Everything You Need To Know To Become a Python Master* **Python 3 Crash Course: Learn Python 3 in 1 hour. Learn NUMPY in 5 minutes - BEST Python Library! Learn PYTHON in 5 MINUTES** *Python Basics: Paperback Copies Now Available* **Data Analysis with Python - Full Course for Beginners (Numpy, Pandas, Matplotlib, Seaborn)** *Python 3 Essentials* **Python 3 Complete Masterclass — Make Your Job Tasks Easier!** teaches all the essentials from scratch. Concepts covered throughout the lessons include strings, numbers, booleans, sets, tuples ...

Beginning Python Courses

The latest implementation promises a 30% performance improvement over Python 3.8.8, with a key benefit being that developers can simply drop their Python applications into Pyston and get going ...

Faster Python programming: How these developers built Pyston, and where it goes next

Python for Everybody: The Ultimate Python 3 Bootcamp will start you on your ... Finally, you'll learn the basics of Git and GitHub with *Git Essentials: The Step-by-Step Guide to Git & GitHub* ...

Build A Coding Career With The 2020 Ultimate Web Developer and Design Bootcamp Bundle

The top of the rankings features a tight race with slims margins separating C, Java and Python. "It is interesting to see that these 3 languages are getting closer than ever before. The difference ...

Top programming languages: C and Java remain tops as Python surges

Other new College for Kids classes in July include: *Python Programmers* (age 8-14 ... *Pamper Me Kids Spa* (age 5-12): Learn to make the essentials needed to have a real spa day.

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CTC offering robotics camp scholarships, new College for Kids classes

We've also featured: Best online courses for learning HTML Best online courses for learning Python Best online courses ... the services our partners offer. 3. Partners will contact you Only ...

Best JavaScript online courses in 2021

To onboard all participants at a common level, a Special Bootcamp on Mathematics and Python Essentials for machine learning will be held on 20 and 21 July 2021 a few days prior to the summer school.

IIT Tirupati Invites Applications for Online Summer School on Machine Learning

A woman in Queensland found a carpet python, which can exceed 3.5 meters in length, on her car as she was preparing to head to the shops.

TECH & SCIENCE

The stunned 65-year-old Austrian turned around shortly after 6 a.m. to see a roughly 1.6-metre albino reticulated python in the bowl of his toilet An Austrian had the kind of morning that ...

A real life nightmare: Python slides through drains, bites man on the toilet

The software, written in the programming language Python, then automatically detects politicians distracted by their smartphone, and uses specialist facial recognition technology to identify them.

How AI is calling out distracted politicians in Belgium

BATON ROUGE, La. — Authorities say they've been searching for a 12-foot python that escaped from its enclosure inside Louisiana's largest shopping mall. Cara, a yellow and white Burmese ...

12-foot-long python escapes inside Louisiana's largest mall

A man in Austria was bitten on the genitals by a python while he was on the toilet — after it's believed the reptile escaped his neighbor's home and slithered through the drains, police said.

Man bitten by neighbor's escaped pet python while on toilet, cops say

Cara, a Burmese python, had slithered out of her exhibit in the Blue Zoo aquarium at the Mall of Louisiana. Cara is carried out of a hole in a wall, in video posted by the aquarium Thursday morning.

A 12-foot Burmese python missing from a Louisiana mall aquarium has been found

BERLIN (AP) — A man in Austria was bitten by a 1.6-meter (5 1/4-foot) python during an early-morning visit to the toilet at his home on Monday, police said. The reptile, which apparently escaped ...

Man bitten 'in the genital area' by neighbor's escaped python while sitting on toilet

2001 – Spears performs as a guest at the Super Bowl halftime show, releases third album and sings with a python over her shoulder as her performances become increasingly raunchy. 2002 – Spears ...

Overprotected? Britney Spears' journey from teen phenom to guardianship

John Cleese delighted Monty Python fans by revealing he has finished ... and finished off her look with dewy make-up - toting her essentials in a black handbag she clutched onto under her arm.

John Cleese enjoys lunch date with wife Jennifer Wade in Chelsea

The stunned 65-year-old turned around to see a roughly 1.6-meter (5-foot) albino reticulated python in the bowl. Camper, a brown pit bull terrier with a black face, was located last night nearly ...

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Animals | Vancouver Sun

A 12-foot Burmese python missing from a mall aquarium has been found "safe and healthy" after she had been missing for several days. HLN's Robin Meade speaks with Blue Zoo aquarium CEO about her ...

Python Essentials provides a vital tour of the most critical features of Python. Starting with setup and installation, you will soon dive into exploring built-in-library types, Python's rich collection of operators and built-in functions, variables, assignment and scoping rules. From this foundation, you will explore functions, a crucial aspect of any programming language, including considerable sophistication in defining parameters to a function and providing argument values. Explore advanced functional programming using generator expressions, comprehensions, and generator functions. Handle file input and output using web services and context managers, exception handling and explore wider, popular frameworks. Through this concise and practical guide, you will explore all you need to know to leverage this powerful, and industry-standard, programming language.

Make the Leap From Beginner to Intermediate in Python... Python Basics: A Practical Introduction to Python 3 Your Complete Python Curriculum-With Exercises, Interactive Quizzes, and Sample Projects What should you learn about Python in the beginning to get a strong foundation? With Python Basics, you'll not only cover the core concepts you really need to know, but you'll also learn them in the most efficient order with the help of practical exercises and interactive quizzes. You'll know enough to be dangerous with Python, fast! Who Should Read This Book If you're new to Python, you'll get a practical, step-by-step roadmap on developing your foundational skills. You'll be introduced to each concept and language feature in a logical order. Every step in this curriculum is explained and illustrated with short, clear code samples. Our goal with this book is to educate, not to impress or intimidate. If you're familiar with some basic programming concepts, you'll get a clear and well-tested introduction to Python. This is a practical introduction to Python that jumps right into the meat and potatoes without sacrificing substance. If you have prior experience with languages like VBA, PowerShell, R, Perl, C, C++, C#, Java, or Swift the numerous exercises within each chapter will fast-track your progress. If you're a seasoned developer, you'll get a Python 3 crash course that brings you up to speed with modern Python programming. Mix and match the chapters that interest you the most and use the interactive quizzes and review exercises to check your learning progress as you go along. If you're a self-starter completely new to coding, you'll get practical and motivating examples. You'll begin by installing Python and setting up a coding environment on your computer from scratch, and then continue from there. We'll get you coding right away so that you become competent and knowledgeable enough to solve real-world problems, fast. Develop a passion for programming by solving interesting problems with Python every day! If you're looking to break into a coding or data-science career, you'll pick up the practical foundations with this book. We won't just dump a boat load of theoretical information on you so you can "sink or swim"-instead you'll learn from hands-on, practical examples one step at a time. Each concept is broken down for you so you'll always know what you can do with it in practical terms. If you're interested in teaching others "how to Python," this will be your guidebook. If you're looking to stoke the coding flame in your coworkers, kids, or relatives-use our material to teach them. All the sequencing has been done for you so you'll always know what to cover next and how to explain it. What Python Developers Say About The Book: "Go forth and learn this amazing language using this great book." - Michael Kennedy, Talk Python "The wording is casual, easy to understand, and makes the information flow well." - Thomas Wong, Pythonista "I floundered for a long time trying to teach myself. I slogged through dozens of incomplete online tutorials. I snoozed through hours of boring screencasts. I gave up on countless cruffy books from big-time publishers. And then I found Real Python. The easy-to-follow, step-by-step instructions break the big concepts down into bite-sized chunks written in plain English.

Where To Download Python 3 Essentials

The authors never forget their audience and are consistently thorough and detailed in their explanations. I'm up and running now, but I constantly refer to the material for guidance." - Jared Nielsen, Pythonista

Presents a guide to the features and library modules of the Python programming language.

Get started and warmed up to Python 3 with Python 3 Essentials. This book is intended for both absolute beginners and curious cats. The book explores: - Brief introduction to Python - Installing Python in various methods - Using Python on various platforms/ integrated development environments - Fundamentals of Python that includes introduction to variables, data types, use of mathematical and logical operators, defining a function, use of modules and packages, file handling - And much more!

Python 3 is the best version of the language yet: It is more powerful, convenient, consistent, and expressive than ever before. Now, leading Python programmer Mark Summerfield demonstrates how to write code that takes full advantage of Python 3's features and idioms. The first book written from a completely "Python 3" viewpoint, Programming in Python 3 brings together all the knowledge you need to write any program, use any standard or third-party Python 3 library, and create new library modules of your own. Summerfield draws on his many years of Python experience to share deep insights into Python 3 development you won't find anywhere else. He begins by illuminating Python's "beautiful heart": the eight key elements of Python you need to write robust, high-performance programs. Building on these core elements, he introduces new topics designed to strengthen your practical expertise—one concept and hands-on example at a time. This book's coverage includes Developing in Python using procedural, object-oriented, and functional programming paradigms Creating custom packages and modules Writing and reading binary, text, and XML files, including optional compression, random access, and text and XML parsing Leveraging advanced data types, collections, control structures, and functions Spreading program workloads across multiple processes and threads Programming SQL databases and key-value DBM files Utilizing Python's regular expression mini-language and module Building usable, efficient, GUI-based applications Advanced programming techniques, including generators, function and class decorators, context managers, descriptors, abstract base classes, metaclasses, and more Programming in Python 3 serves as both tutorial and language reference, and it is accompanied by extensive downloadable example code—all of it tested with the final version of Python 3 on Windows, Linux, and Mac OS X.

Python is a widely popular programming language. It is fun, easy yet versatile. It is taught at many schools and colleges. Even young kids are learning it. We have taught hundreds of students advanced Python programming at the University of California Santa Cruz, Silicon Valley Extension, Santa Clara, CA and also conducted corporate training for Fortune 500 companies. In the process, we learnt what makes students learn Python better. This book is a result of all these years of teaching and answering students' questions. The book contains enough examples, so that you can get started with programming in Python. The advanced concepts are clearly marked, so that readers can make a choice of learning them at any time.

Python for Everybody is designed to introduce students to programming and software development through the lens of exploring data. You can think of the Python programming language as your tool to solve data problems that are beyond the capability of a spreadsheet. Python is an easy to use and easy to learn programming language that is freely available on Macintosh, Windows, or Linux computers. So once you learn Python you can use it for the rest of your career without needing to purchase any software. This book uses the Python 3 language. The earlier Python 2 version of this book is titled "Python for Informatics: Exploring Information". There are free downloadable electronic copies of this

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book in various formats and supporting materials for the book at www.pythonlearn.com. The course materials are available to you under a Creative Commons License so you can adapt them to teach your own Python course.

Get a comprehensive, in-depth introduction to the core Python language with this hands-on book. Based on author Mark Lutz's popular training course, this updated fifth edition will help you quickly write efficient, high-quality code with Python. It's an ideal way to begin, whether you're new to programming or a professional developer versed in other languages. Complete with quizzes, exercises, and helpful illustrations, this easy-to-follow, self-paced tutorial gets you started with both Python 2.7 and 3.3—the latest releases in the 3.X and 2.X lines—plus all other releases in common use today. You'll also learn some advanced language features that recently have become more common in Python code. Explore Python's major built-in object types such as numbers, lists, and dictionaries Create and process objects with Python statements, and learn Python's general syntax model Use functions to avoid code redundancy and package code for reuse Organize statements, functions, and other tools into larger components with modules Dive into classes: Python's object-oriented programming tool for structuring code Write large programs with Python's exception-handling model and development tools Learn advanced Python tools, including decorators, descriptors, metaclasses, and Unicode processing

Much has changed in technology over the past decade. Data is hot, the cloud is ubiquitous, and many organizations need some form of automation. Throughout these transformations, Python has become one of the most popular languages in the world. This practical resource shows you how to use Python for everyday Linux systems administration tasks with today's most useful DevOps tools, including Docker, Kubernetes, and Terraform. Learning how to interact and automate with Linux is essential for millions of professionals. Python makes it much easier. With this book, you'll learn how to develop software and solve problems using containers, as well as how to monitor, instrument, load-test, and operationalize your software. Looking for effective ways to "get stuff done" in Python? This is your guide. Python foundations, including a brief introduction to the language How to automate text, write command-line tools, and automate the filesystem Linux utilities, package management, build systems, monitoring and instrumentation, and automated testing Cloud computing, infrastructure as code, Kubernetes, and serverless Machine learning operations and data engineering from a DevOps perspective Building, deploying, and operationalizing a machine learning project

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