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Once you've spotted a bug like this, it's a bit of a facepalm moment. You could kick yourself for not having seen it earlier and you wonder why you did such a stupid mistake in the first place.

Python errors? You probably made one of these silly mistakes

In this interview, KPMG's Philip Vollet talks about why building user interfaces is necessary to unlock AI's true potential.

Building MLGUI, user interfaces for machine learning applications

He writes excellent python code, in a principled, tidy way that physicists usually ... "are you telling me you didn't just look it up and get the solution from f***ing googling it?" Yeah, that's ...

Fitting Lines Through Points With Simple Math

C is categorized as a middle-level language because it overcomes the gap that exists between machine-level languages and high-level programming languages. Java is considered a high-level language ...

Python to overtake C and Java as most popular programming language

Decorators in Python are a prime-time example of a perfectly implemented feature. It does take a while to wrap your head around, but it's worth it.

Decorators in Python will make your code so much better

No question about it ... which provide live environments for writing Python code, importing data, running experiments, and visualizing the results. Anaconda handles all the setup and management ...

Get started with Anaconda Python

If you've always thought that learning to code was beyond you ... train you in some of the most popular programming languages. No experience is required, and you can learn at your own pace ...

Developer training: Learn how to code in Python, Java, PHP and more at your own pace

Python implementation Pyston aims to speed up the programming language's code for web applications ... There's currently no way of knowing for sure how many developers are using Pyston in the ...

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

Now you can start training at your own pace to learn the fundamentals of coding without even paying a penny. By ZDNet Academy | July 18, 2021 -- 12:00 GMT (05:00 PDT) | Topic: Developer Did you know ...

Learn to code training bundle deal: Jump start your programming career

According to the TIOBE Index for July 2021, Python is the third most popular programming language. Between the most popular C, and Python, the difference is only 0.67 percent. The report further adds ...

8 Free Python Courses For Data Scientists In 2021

Python is not the fastest language, but lack of speed hasn't prevented it from becoming a major force in analytics, machine learning, and other disciplines that require heavy number crunching.

Speed up your Python with Numba

Python use is surging in data science, thanks to its versatility and its ease of use. But as an interpreted language, Python code can be quite slow, ...

Tuplex Gives Python UDFs a Performance Boost

Translators should learn how to write computer code, said most poll respondents. But nearly half believe that creative MT is a non-starter.

Reader Poll: Should Translators Learn to Code? Is Creative MT an Oxymoron?

No Rules ... What is Python? Python is a multipurpose programming language, and it has applicability pretty much anywhere that uses data, mathematical computation, or lines of code.

What is Python? The popular, scalable programming language, explained

Praxis TI Importante empresa de consultoría, especializada en tecnología de la información, solicita: desarrollador python escolaridad: ing ... when it comes to code... Bairesdev is proud ...

Trabajo de Desarrollador python

There is no certification at the end of the course. So, you might not be a beginner. You might even be working for the US Department of Energy and need to produce codes in Python. David ...

Best Python course 2021: Top online coding classes

When it comes to picking a language for a new data science project, developers often have to go through the debate of whether Python or R would ... and there is no correct response to this issue ...

Python or R: Which to choose for your next data project

There's no way out of a fight ... overhead and the simple but effective slash, combo-ing these moves is what makes Chivalry 2 special. But what if you're on the receiving end of these vicious ...

Chivalry 2 Review (PSS) # A Deliriously Medieval Battlefield Of Chaotic Fun Without Parallel

The scalable Dask-powered cloud platform Coiled, which launched earlier this year at the Dask Distributed Summit, announces their Coiled Partner Program today at SciPy. The partnership program ensures ...

If you want to learn how to program, working with Python is an excellent way to start. This hands-on guide takes you through the language a step at a time, beginning with basic programming concepts before moving on to functions, recursion, data structures, and object-oriented design. This second edition and its supporting code have been updated for Python 3. Through exercises in each chapter, you'll try out programming concepts as you learn them. Think Python is ideal for students at the high school or college level, as well as self-learners, home-schooled students, and professionals who need to learn programming basics. Beginners just getting their feet wet will learn how to start with Python in a browser. Start with the basics, including language syntax and semantics Get a clear definition of each programming concept Learn about values, variables, statements, functions, and data structures in a logical progression Discover how to work with files and databases Understand objects, methods, and object-oriented programming Use debugging techniques to fix syntax, runtime, and semantic errors Explore interface design, data structures, and GUI-based programs through case studies

Your Python code may run correctly, but you need it to run faster. Updated for Python 3, this expanded edition shows you how to locate performance bottlenecks and significantly speed up your code in high-data-volume programs. By exploring the fundamental theory behind design choices, High Performance Python helps you gain a deeper understanding of Python's implementation. How do you take advantage of multicore architectures or clusters? Or build a system that scales up and down without losing reliability? Experienced Python programmers will learn concrete solutions to many issues. along with war stories from companies that use high-performance Python for social media analytics, productionized machine learning, and more. Get a better grasp of NumPy, Cython, and profilers Learn how Python abstracts the underlying computer architecture Use profiling to find bottlenecks in CPU time and memory usage Write efficient programs by choosing appropriate data structures Speed up matrix and vector computations Use tools to compile Python down to machine code Manage multiple I/O and computational operations concurrently Convert multiprocessing code to run on local or remote clusters Deploy code faster using tools like Docker

Learn basic Python programming to create functional and effective visualizations from earth observation satellite data sets Thousands of satellite datasets are freely available online, but scientists need the right tools to efficiently analyze data and share results. Python has easy-to-learn syntax and thousands of libraries to perform common Earth science programming tasks. Earth Observation Using Python: A Practical Programming Guide presents an example-driven collection of basic methods, applications, and visualizations to process satellite data sets for Earth science research. Gain Python fluency using real data and case studies Read and write common scientific data formats, like netCDF, HDF, and GRIB2 Create 3-dimensional maps of dust, fire, vegetation indices and more Learn to adjust satellite imagery resolution, apply quality control, and handle big files Develop useful workflows and learn to share code using version control Acquire skills using online interactive code available for all examples in the book The American Geophysical Union promotes discovery in Earth and space science for the benefit of humanity. Its publications disseminate scientific knowledge and provide resources for researchers, students, and professionals. Find out more about this book from this Q&A with the Author

Does it seem like your Python projects are getting bigger and bigger? Are you feeling the pain as your codebase expands and gets tougher to debug and maintain? Python is an easy language to learn and use, but that also means systems can quickly grow beyond comprehension. Thankfully, Python has features to help developers overcome maintainability woes. In this practical book, author Patrick Viafore shows you how to use Python's type system to the max. You'll look at user-defined types, such as classes and enums, and Python's type hinting system. You'll also learn how to make Python extensible and how to use a comprehensive testing strategy as a safety net. With these tips and techniques, you'll write clearer and more maintainable code. Learn why types are essential in modern development ecosystems Understand how type choices such as classes, dictionaries, and enums reflect specific intents Make Python extensible for the future without adding bloat Use popular Python tools to increase the safety and robustness of your codebase Evaluate current code to detect common maintainability gotchas Build a safety net around your codebase with linters and tests

bull; Demonstrates how Python is the perfect language for text-processing functions. bull; Provides practical pointers and tips that emphasize efficient, flexible, and maintainable approaches to text-processing challenges. bull; Helps programmers develop solutions for dealing with the increasing amounts of data with which we are all inundated.

This book gathers the proceedings of the 17th International Conference on Intracranial Pressure and Neuromonitoring, held in Leuven, Belgium in September 2019. It provides an overview of the current understanding, underlying research and future perspectives concerning pathophysiology, biophysics, monitoring and management in traumatic and non-traumatic acute brain injury, hydrocephalus and spinal cord injury, including cerebrovascular autoregulation impairment in neurological as well as non-neurological diseases. The peer-reviewed contributions were prepared by specialists in neurosurgery, neurointensive care and neuroanesthesiology, as well as prominent experts from the fields of physiology, clinical and biomedical engineering, mathematics and informatics. The book continues the time-honored tradition of publishing key presentations from the ICP Conferences in order to facilitate their dissemination within the clinical and research community.

This book introduces readers to the computer programming language Python, exploring its various applications and the history of its development.

Machine learning has become an integral part of many commercial applications and research projects, but this field is not exclusive to large companies with extensive research teams. If you use Python, even as a beginner, this book will teach you practical ways to build your own machine learning solutions. With all the data available today, machine learning applications are limited only by your imagination. You'll learn the steps necessary to create a successful machine-learning application with Python and the scikit-learn library. Authors Andreas Müller and Sarah Guido focus on the practical aspects of using machine learning algorithms, rather than the math behind them. Familiarity with the NumPy and matplotlib libraries will help you get even more from this book. With this book, you'll learn: Fundamental concepts and applications of machine learning Advantages and shortcomings of widely used machine learning algorithms How to represent data processed by machine learning, including which data aspects to focus on Advanced methods for model evaluation and parameter tuning The concept of pipelines for chaining models and encapsulating your workflow Methods for working with text data, including text-specific processing techniques Suggestions for improving your machine learning and data science skills

Linux® is being adopted by an increasing number of embedded systems developers, who have been won over by its sophisticated scheduling and networking, its cost-free license, its open development model, and the support offered by rich and powerful programming tools. While there is a great deal of hype surrounding the use of Linux in embedded systems, there is not a lot of practical information. Building Embedded Linux Systems is the first in-depth, hard-core guide to putting together an embedded system based on the Linux kernel. This indispensable book features arcane and previously undocumented procedures for: Building your own GNU development toolchain Using an efficient embedded development framework Selecting, configuring, building, and installing a target-specific kernel Creating a complete target root filesystem Setting up,

manipulating, and using solid-state storage devices Installing and configuring a bootloader for the target Cross-compiling a slew of utilities and packages Debugging your embedded system using a plethora of tools and techniques Details are provided for various target architectures and hardware configurations, including a thorough review of Linux's support for embedded hardware. All explanations rely on the use of open source and free software packages. By presenting how to build the operating system components from pristine sources and how to find more documentation or help, this book greatly simplifies the task of keeping complete control over one's embedded operating system, whether it be for technical or sound financial reasons. Author Karim Yaghmour, a well-known designer and speaker who is responsible for the Linux Trace Toolkit, starts by discussing the strengths and weaknesses of Linux as an embedded operating system. Licensing issues are included, followed by a discussion of the basics of building embedded Linux systems. The configuration, setup, and use of over forty different open source and free software packages commonly used in embedded Linux systems are also covered. uClibc, BusyBox, U-Boot, OpenSSH, tftpd, tftp, strace, and gdb are among the packages discussed.

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