

Check If A Character Or Substring Is In A String

Hadley Wickham, Garrett Grolemond

MySQL Cookbook Paul DuBois, 2003 DuBois organizes his cookbook's recipes into sections on the problem, the solution stated simply, and the solution implemented in code and discussed. The implementation and discussion sections are the most valuable, as they contain the command sequences, code listings, and design explanations that can be transferred to outside projects.

Python Cookbook Alex Martelli, Anna Ravenscroft, David Ascher, 2005-03-18 Portable, powerful, and a breeze to use, Python is the popular open source object-oriented programming language used for both standalone programs and scripting applications. It is now being used by an increasing number of major organizations, including NASA and Google. Updated for Python 2.4, *The Python Cookbook, 2nd Edition* offers a wealth of useful code for all Python programmers, not just advanced practitioners. Like its predecessor, the new edition provides solutions to problems that Python programmers face everyday. It now includes over 200 recipes that range from simple tasks, such as working with dictionaries and list comprehensions, to complex tasks, such as monitoring a network and building a templating system. This revised version also includes new chapters on topics such as time, money, and metaprogramming. Here's a list of additional topics covered: Manipulating text Searching and sorting Working with files and the filesystem Object-oriented programming Dealing with threads and processes System administration Interacting with databases Creating user interfaces Network and web programming Processing XML Distributed programming Debugging and testing Another advantage of *The Python Cookbook, 2nd Edition* is its trio of authors--three well-known Python programming experts, who are highly visible on email lists and in newsgroups, and speak often at Python conferences. With scores of practical examples and pertinent background information, *The Python Cookbook, 2nd Edition* is the one source you need if you're looking to build efficient, flexible, scalable, and well-integrated systems.

C++ Cookbook D. Ryan Stephens, 2006 Solutions and examples for C++ programmers--Cover.

Beginning AppleScript Stephen G. Kochan, 2004-12-17 What is this book about? Geared toward programmers with no prior development knowledge, *Beginning AppleScript* serves as a comprehensive guide to using AppleScript on the Mac OS X platform. This title introduces the reader to AppleScript, and then illustrates how to efficiently start writing scripts through sample programs as each concept is introduced. Exercises at the end of each chapter allow the reader to test and

demonstrate their knowledge on how to write functional scripts. The appendices include a list of other resources for additional developer information, and a summary of the language suitable for reference.

R for Data Science Hadley Wickham, Garrett Golemund, 2016-12-12 Learn how to use R to turn raw data into insight, knowledge, and understanding. This book introduces you to R, RStudio, and the tidyverse, a collection of R packages designed to work together to make data science fast, fluent, and fun. Suitable for readers with no previous programming experience, *R for Data Science* is designed to get you doing data science as quickly as possible. Authors Hadley Wickham and Garrett Golemund guide you through the steps of importing, wrangling, exploring, and modeling your data and communicating the results. You'll get a complete, big-picture understanding of the data science cycle, along with basic tools you need to manage the details. Each section of the book is paired with exercises to help you practice what you've learned along the way. You'll learn how to: Wrangle—transform your datasets into a form convenient for analysis Program—learn powerful R tools for solving data problems with greater clarity and ease Explore—examine your data, generate hypotheses, and quickly test them Model—provide a low-dimensional summary that captures true signals in your dataset Communicate—learn R Markdown for integrating prose, code, and results

Regular Expressions Cookbook Jan Goyvaerts, Steven Levithan, 2012-08-13 Take the guesswork out of using regular expressions. With more than 140 practical recipes, this cookbook provides everything you need to solve a wide range of real-world problems. Novices will learn basic skills and tools, and programmers and experienced users will find a wealth of detail. Each recipe provides samples you can use right away. This revised edition covers the regular expression flavors used by C#, Java, JavaScript, Perl, PHP, Python, Ruby, and VB.NET. You'll learn powerful new tricks, avoid flavor-specific gotchas, and save valuable time with this huge library of practical solutions. Learn regular expressions basics through a detailed tutorial Use code listings to implement regular expressions with your language of choice Understand how regular expressions differ from language to language Handle common user input with recipes for validation and formatting Find and manipulate words, special characters, and lines of text Detect integers, floating-point numbers, and other numerical formats Parse source code and process log files Use regular expressions in URLs, paths, and IP addresses Manipulate HTML, XML, and data exchange formats Discover little-known regular expression tricks and techniques

Java Illuminated Julie Anderson, Hervé J. Franceschi, 2022-10-20 Written for the one- to three-term introductory programming course, the sixth edition of *Java Illuminated* provides learners with an interactive, user-friendly approach to learning the Java programming language. Comprehensive but accessible, the text takes a progressive approach to object-oriented programming, allowing students to build on established skills to develop new and increasingly complex classes. *Java Illuminated* follows an activity-based active learning approach that ensures student engagement and interest. In addition, the text presents other topics of interest, including graphical user interfaces (GUI), data structures, file input and output, and

graphical applications.

Comp-Informatic Practices-TB-11-R1 Reeta Sahoo, Gagan Sahoo, Comp-Informatic Practices-TB-11-R1

Programming PHP Kevin Tatroe, Peter MacIntyre, Rasmus Lerdorf, 2013-02-07 This updated edition teaches everything you need to know to create effective web applications with the latest features in PHP 5.x. You'll start with the big picture and then dive into language syntax, programming techniques, and other details, using examples that illustrate both correct usage and common idioms. If you have a working knowledge of HTML, the authors' many style tips and practical programming advice will help you become a top-notch PHP programmer. Get an overview of what's possible with PHP programs Learn language fundamentals, including data types, variables, operators, and flow control statements Understand functions, strings, arrays, and objects Apply common web application techniques, such as form processing, data validation, session tracking, and cookies Interact with relational databases like MySQL or NoSQL databases such as MongoDB Generate dynamic images, create PDF files, and parse XML files Learn secure scripts, error handling, performance tuning, and other advanced topics Get a quick reference to PHP core functions and standard extensions

Learning Regular Expressions Ben Forta, 2018-05-01 Learn to use one of the most powerful text processing and manipulation tools available Regular expression experts have long been armed with an incredibly powerful tool, one that can be used to perform all sorts of sophisticated text processing and manipulation in just about every language and on every platform. That's the good news. The bad news is that for too long, regular expressions have been the exclusive property of only the most tech savvy. Until now. Ben Forta's Learning Regular Expressions teaches you the regular expressions that you really need to know, starting with simple text matches and working up to more complex topics, including the use of backreferences, conditional evaluation, and look-ahead processing. You'll learn what you can use, and you'll learn it methodically, systematically, and simply. Regular expressions are nowhere near as complex as they appear to be at first glance. All it takes is a clear understanding of the problem being solved and how to leverage regular expressions to solve them. Read and understand regular expressions Use literal text and metacharacters to build powerful search patterns Take advantage of advanced regular expression features, including lookahead and backreferences Perform powerful search-and-replace operations in all major professional editing tools Add sophisticated form and text processing to web applications Search for files using command-line tools like grep and egrep Use regular expressions in programming languages like JavaScript, Java, PHP, Python, Microsoft .NET, and C#, as well as in DBMSs including MySQL and Oracle Work with phone numbers, postal codes, social security numbers, IP addresses, URLs, email addresses, and credit card numbers Contents at a Glance 1 Introducing Regular Expressions 2 Matching Single Characters 3 Matching Sets of Characters 4 Using Metacharacters 5 Repeating Matches 6 Position Matching 7 Using Subexpressions 8 Using Backreferences 9 Looking Ahead and Behind 10 Embedding Conditions 11 Regular Expression Solutions to Common Problems Appendix A Regular

Expressions in Popular Applications and Languages

Digital and Information Technologies in Economics and Management Arthur Gibadullin, 2023-04-15 This book covers the II International Scientific and Practical Conference Digital and Information Technologies in Economics and Management (DITEM2022), which was held on November 21–23, 2022. The conference addressed issues of information, digital and intellectual technologies in economics and management. A distinctive feature of the conference is that it presented reports of authors from China, Saudi Arabia, Tunisia, Uzbekistan, Tajikistan, Angola, Kazakhstan, India and Russia. Researchers from different countries presented the process of transition of economic activities to the information and digital path of development and presented the main directions and developments that can improve the efficiency and development of the economy and management. The materials of the conference may be useful to state and regional authorities, international and supranational organizations, the scientific and professional community.

JavaScript David Flanagan, 2011-04-25 A revised and updated edition offers comprehensive coverage of ECMAScript 5 (the new JavaScript language standard) and also the new APIs introduced in HTML5, with chapters on functions and classes completely rewritten and updated to match current best practices and a new chapter on language extensions and subsets. Original.

JavaScript: Novice to Ninja Darren Jones, 2017-09-20 JavaScript is a must-have skill for all web developers. JavaScript: Novice to Ninja is a fun, practical, and comprehensive guide to the modern usage of this deceptively powerful language. Comprehensively updated to cover ECMAScript 6 and modern JavaScript development, the second edition of this step-by-step introduction to coding in JavaScript will show you how to solve real-world problems, design eye-catching animations, build smarter forms, and develop richer applications. Learn the basics of JavaScript programming: functions, methods, properties, loops and logic Use events to track user interactions Build smarter web forms that improve the user experience Work with the document object model (DOM) and Ajax to dynamically update your pages Add functionality to your apps using HTML5's powerful APIs Use Test Driven Development methodology to write more robust code Build a complete, working JavaScript quiz app from scratch

The Rust Programming Language (Covers Rust 2018) Steve Klabnik, Carol Nichols, 2019-09-03 The official book on the Rust programming language, written by the Rust development team at the Mozilla Foundation, fully updated for Rust 2018. The Rust Programming Language is the official book on Rust: an open source systems programming language that helps you write faster, more reliable software. Rust offers control over low-level details (such as memory usage) in combination with high-level ergonomics, eliminating the hassle traditionally associated with low-level languages. The authors of The Rust Programming Language, members of the Rust Core Team, share their knowledge and experience to show you how to take full advantage of Rust's features--from installation to creating robust and scalable programs. You'll begin with

basics like creating functions, choosing data types, and binding variables and then move on to more advanced concepts, such as: Ownership and borrowing, lifetimes, and traits Using Rust's memory safety guarantees to build fast, safe programs Testing, error handling, and effective refactoring Generics, smart pointers, multithreading, trait objects, and advanced pattern matching Using Cargo, Rust's built-in package manager, to build, test, and document your code and manage dependencies How best to use Rust's advanced compiler with compiler-led programming techniques You'll find plenty of code examples throughout the book, as well as three chapters dedicated to building complete projects to test your learning: a number guessing game, a Rust implementation of a command line tool, and a multithreaded server. New to this edition: An extended section on Rust macros, an expanded chapter on modules, and appendixes on Rust development tools and editions.

Beginning Web Programming with HTML, XHTML, and CSS Jon Duckett,2011-02-09 What is this book about?

Beginning Web Programming with HTML, XHTML, and CSS teaches you how to write Web pages using HTML, XHTML, and CSS. It follows standards-based principles, but also teaches readers ways around problems they are likely to face using (X)HTML. While XHTML is the current standard, the book still covers HTML because many people do not yet understand that XHTML is the official successor to HTML, and many readers will still stick with HTML for backward compatibility and simpler/informal Web pages that don't require XHTML compliance. The book teaches basic principles of usability and accessibility along the way, to get users into the mode of developing Web pages that will be available to as many viewers as possible from the start. The book also covers the most commonly used programming/scripting language — JavaScript — and provides readers with a roadmap of other Web technologies to learn after mastering this book to add more functionality to their sites.

Mastering Regular Expressions Jeffrey E. F. Friedl,2006-08-08 A regular expression (regex) is a pattern that describes a set of strings. Regular expressions are used for advanced context-sensitive searches (e.g. parsing data streams, data mining) and text modifications. They can be found in many advanced editors (e.g. vi, Emacs), in parser programs (e.g. grep) and in languages (e.g. Perl), mostly in a UNIX environment. This book is the standard work on regexes.

Deep Learning in Practice Mehdi Ghayoumi,2021-12-01 Deep Learning in Practice helps you learn how to develop and optimize a model for your projects using Deep Learning (DL) methods and architectures. Key features: Demonstrates a quick review on Python, NumPy, and TensorFlow fundamentals. Explains and provides examples of deploying TensorFlow and Keras in several projects. Explains the fundamentals of Artificial Neural Networks (ANNs). Presents several examples and applications of ANNs. Learning the most popular DL algorithms features. Explains and provides examples for the DL algorithms that are presented in this book. Analyzes the DL network's parameter and hyperparameters. Reviews state-of-the-art DL examples. Necessary and main steps for DL modeling. Implements a Virtual Assistant Robot (VAR) using DL methods. Necessary and fundamental information to choose a proper DL algorithm. Gives instructions to learn how to optimize your

DL model IN PRACTICE. This book is useful for undergraduate and graduate students, as well as practitioners in industry and academia. It will serve as a useful reference for learning deep learning fundamentals and implementing a deep learning model for any project, step by step.

Learn to Code With JavaScript Darren Jones,2021-03-16 A hands-on, practical Introduction to coding! Do you want to learn to code? Perhaps you want to learn how to build the next social media sensation or blockbuster game? Or perhaps you just want to get some valuable coding experience under your belt? This easy-to-follow, practical, and fun guide is the perfect place to start on your coding journey. You'll be learning to program with JavaScript - the most popular programming language on Earth. And it runs in web browsers, making it particularly suited to creating web-based apps and games. But the principles and techniques that you'll learn will provide you with a foundation to go on and learn many other languages, too. You'll learn: Programming basics, including data types, variables and more How to use logic to control the flow of a program How to use loops to repeat code over and over again How to write functions that can be used to store code in reusable blocks How to store data in collections such as arrays, sets and maps How to create objects that store properties and actions And much more! Along the way, you'll build a collection of fun applications, including games and interactive web pages. Start learning to code today!

XML in a Nutshell Elliotte Rusty Harold,W. Scott Means,2002 XML in a Nutshell thoroughly explains the basic rules that all XML documents--and all XML document creators--must adhere to. Quick-reference chapters also detail syntax rules and usage examples for the core XML technologies, including XML, DTDs, SPath, XSLT, SAX, and DOM.

Genomics Data Analysis for Crop Improvement Priyanka Anjoy,Kuldeep Kumar,Girish Chandra,Kishor Gaikwad,2024-02-10 This book addresses complex problems associated with crop improvement programs, using a wide range of programming solutions, for genomics data handling and sustainable agriculture. It describes important concepts in genomics data analysis and sequence-based mapping approaches along with references. The book contains 16 chapters on recent developments in several methods of genomic data analysis for crop improvements and sustainable agriculture, all authored by eminent researchers who are experts in their fields. These chapters focus on applications of a wide range of key bioinformatics topics, including assembly, annotation, and visualization of next-generation sequencing (NGS) data; expression profiles of coding and noncoding RNA; statistical and quantitative genetics; trait-based association analysis, quantitative trait loci (QTL) mapping, and artificial intelligence in genomic studies. Real examples and case studies in the book will come in handy when applying the techniques. The relative scarcity of reference materials covering bioinformatics applications as compared with the readily available books also enhances the utility of this book. The targeted readers of the book are scientists, researchers, and bioinformaticians from genomics and advanced breeding in different areas. The book will appeal to the applied researchers engaged in crop improvements and sustainable agriculture by using bioinformatics

tools, students, research project leaders, and practitioners from the various marginal disciplines and interdisciplinary research.

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