

Mastering Regular Expressions Second Edition

S. R. Jena, Dr. S. K. Swain

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Mastering Regular Expressions Jeffrey E. F. Friedl, 2002 Introduces regular expressions and how they are used discussing topics including metacharacters nomenclature matching and modifying text expression processing benchmarking Mastering Regular Expressions Jeffrey E. F. Friedl, 2006-08-08 A regular expression regex is a optimizations and loops 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 Computation and Application (2nd Revised Edition)- Automata, Formal Languages and Computational Complexity S. R. Jena, Dr. S. K. Swain, 2020-03-27 About the Book This book is intended for the students who are pursuing courses in B Tech B E CSE IT M Tech M E CSE IT MCA and M Sc CS IT The book covers different crucial theoretical aspects such as of Automata Theory Formal Language Theory Computability Theory and Computational Complexity Theory and their applications This book can be used as a text or reference book for a one semester course in theory of computation or automata theory It includes the detailed coverage of Introduction to Theory of Computation Essential Mathematical Concepts Finite State Automata Formal Language Formal Grammar Regular Expressions Regular Languages Context Free Grammar Pushdown Automata Turing Machines Recursively Enumerable Recursive Languages Complexity Theory Key Features Presentation of concepts in clear compact and comprehensible manner Chapter wise supplement of theorems and formal proofs Display of chapter wise appendices with case studies applications and some pre requisites Pictorial two minute drill to summarize the whole concept Inclusion of more than 200 solved with additional problems More than 130 numbers of GATE questions with their keys for the aspirants to have the thoroughness practice and multiplicity Key terms Review questions and Problems at chapter wise termination What is New in the 2nd Edition Introduction to Myhill Nerode theorem in Chapter 3 Updated GATE questions and keys starting from the year 2000 to the year 2018 Practical Implementations through JFLAP Simulator About the Authors Soumya Ranjan Jena is the Assistant Professor in the School of Computing Science and Engineering at Galgotias University Greater Noida U P India Previously he has worked at GITA Bhubaneswar Odisha K L Deemed to be University A P and AKS University M P India He has more than 5 years of teaching experience He has been awarded M Tech in IT B Tech in CSE and CCNA He is the author of Design and Analysis of Algorithms book published by University Science Press Laxmi Publications Pvt Ltd New Delhi Santosh Kumar Swain Ph D is an Professor in School of Computer Engineering at KIIT Deemed to be University Bhubaneswar Odisha He has over 23 years of experience in teaching to graduate and post graduate students of computer engineering information technology and computer applications He has published more than 40 research papers in International Journals and Conferences and one patent on health monitoring **Mastering Regular Expressions** Jeffrey Friedl, 2006-08-08 This updated third edition now includes a full system

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