

Learning Python Powerful Object Oriented Programming 5th Edition

Learning Python Learning Python Powerful Object-oriented Programming On the Move to Meaningful Internet Systems 2005: OTM 2005 Workshops Advanced Techniques in Common LISP: Expert Insights and In-Depth Applications CAST Methods in Modelling Database Systems For Advanced Applications '95 - Proceedings Of The Fourth International Conference PC Mag Objects for Concurrent Constraint Programming HTML, XHTML, and CSS All-in-One Desk Reference For Dummies Journal of Object-oriented Programming Mastering Object-Oriented Python Signal Object Orientation The C++ Report Programming Python Data Processing Digest Proceedings of the Thirteenth Annual ESRI User Conference Workshop Proceedings of the Thirteenth Annual ESRI User Conference Domain-Specific Application Frameworks Mark Lutz Mark Lutz Zahir Tari Adam Jones Franz Pichler Wang Ling Tok Martin Henz Andy Harris Steven F. Lott Setrag Khoshafian Mark Lutz Mohamed E. Fayad

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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 sixth 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 python 3 12 and all other releases in use today with a pragmatic focus on what you need to know it also introduces some advanced language features that have become increasingly common in python code this book helps you explore python s built in object types such as strings lists dictionaries and files create and process objects with python statements and learn python s syntax model use functions and functional programming to avoid redundancy and maximize reuse organize code into larger components with modules and packages code robust programs with python s exception handling and development tools apply object oriented programming and classes

to make code customizable survey advanced python tools including decorators descriptors and metaclasses write idiomatic python code that runs portably across a wide variety of platforms

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 python is considered easy to learn but there s no quicker way to mastery of the language than learning from an expert teacher this edition of learning python puts you in the hands of two expert teachers mark lutz and david ascher whose friendly well structured prose has guided many a programmer to proficiency with the language learning python second edition offers programmers a comprehensive learning tool for python and object oriented programming thoroughly updated for the numerous language and class presentation changes that have taken place since the release of the first edition in 1999 this guide introduces the basic elements of the latest release of python 2 3 and covers new features such as list comprehensions nested scopes and iterators generators beyond language features this edition of learning python also includes new context for less experienced programmers including fresh overviews of object oriented programming and dynamic typing new discussions of program launch and configuration options new coverage of documentation sources and more there are also new use cases throughout to make the application of language features more concrete the first part of learning python gives programmers all the information they ll need to understand and construct programs in the python language including types operators statements classes functions modules and exceptions the authors then present more advanced material showing how python performs common tasks by offering real applications and the libraries available for those applications each chapter ends with a series of exercises that will test your python skills and measure your understanding learning python second edition is a self paced book that allows readers to focus on the core python language in depth as you work through the book you ll gain a deep and complete understanding of the python language that will help you to understand the larger application level examples that you ll encounter on your own if you re interested in learning python and want to do so quickly and efficiently then learning python second edition is your best choice

elevate your programming prowess with advanced techniques in common lisp expert insights and in depth applications an indispensable guide for mastering one of the most powerful and enduring programming languages this book takes you on a journey from fundamental concepts to cutting edge techniques equipping you to develop sophisticated efficient and complex applications delve into the depths of common lisp discovering its comprehensive suite of features such as advanced data structures the intricate object oriented capabilities of clos and the transformative power of macros gain proficiency in optimizing performance implementing rigorous error handling and debugging seamlessly integrating with other languages and creating real world applications each chapter is carefully crafted to not only illuminate theoretical principles but also enhance practical application ensuring you can immediately apply what you learn to solve complex problems whether you re a newcomer eager to learn the intricacies of common lisp or a seasoned programmer ready to refine and augment your skills this book is your gateway utilize

advanced techniques in common lisp to advance your programming acumen and confidently create innovative software solutions with mastery and authority

microtechnologies and their corresponding cad tools have meanwhile reached a level of sophistication that requires the application of theoretical means on all modelling levels of design and analysis also there is a growing need for a scientific approach in modelling again many concepts provided by systems theory again turn out to be of major importance this is especially valid for the design of machines with intelligent behaviour when dealing with complex systems the engineering design has to be supported by cad tools consequently the methods of systems theory must also get computerized the newly established field of computer aided systems theory cast is a first effort in this direction the goal of cast research and development is to provide systems theory method banks which can be used in education and to provide a platform for the migration of cast methods into existing cad tools this book basing on different research and development projects in cast is written for engineers who are interested in using and developing cast systems particularly in the field of information and systems engineering

this volume contains three keynote papers and 51 technical papers from contributors around the world on topics in the research and development of database systems such as data modelling object oriented databases active databases data mining heterogeneous databases distributed databases parallel query processing multi media databases transaction management systems document databases temporal databases deductive databases user interface and advanced database applications

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concurrent constraint programming ccp is a recent development in programming language design its central contribution is the notion of partial information provided by a shared constraint store this constraint store serves as a communication medium between concurrent threads of control and as a vehicle for their synchronization objects for concurrent constraint programming analyzes the possibility of supporting object oriented programming in ccp starting from established approaches the book covers various object models and discusses their properties small oz a sublanguage of the ccp language oz is used as a model language for this analysis this book presents a general purpose object system for small oz and describes its implementation and expressivity for concurrent computation objects for concurrent constraint programming is written for programming language researchers with an interest in programming language aspects of concurrency object oriented programming or constraint programming programming language implementors will benefit from the rigorous treatment of the efficient implementation of small oz oz programmers will get a first hand view of the design decisions that lie behind the oz object system

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gain comprehensive insights into programming practices and code portability and reuse to build flexible and maintainable apps using object oriented principles key featuresextend core oop techniques to increase integration of classes created with pythonexplore various python libraries for handling persistence and object serializationlearn alternative approaches for solving programming problems with different attributes to address your problem domainbook description object oriented programming oop is a relatively complex discipline to master and it can be difficult to see how general principles apply to each language s unique features with the help of the latest edition of mastering objected oriented python you ll be shown how to effectively implement oop in python and even explore python 3 x complete with practical examples the book guides you through the advanced concepts of oop in python and demonstrates how you can apply them to solve complex problems in oop you will learn how to create high quality python programs by exploring design alternatives and determining which design offers the best performance next you ll work through special methods for handling simple object conversions and also learn about hashing and comparison of objects as you cover later chapters you ll discover how essential it is to locate the best algorithms and optimal data structures for developing robust solutions to programming problems with minimal computer processing finally the book will assist you in leveraging various python features by implementing object oriented designs in your programs by the end of this book you will have learned a number of alternate approaches with different attributes to confidently solve programming problems in python what you will learnexplore a variety of different design patterns for the init methodlearn to use flask to build a restful web servicediscover solid design patterns and principlesuse the features of python 3 s abstract basecreate classes for your own applicationsdesign testable code using pytest and fixturesunderstand how to design context managers that leverage the with statementcreate a new type of collection using standard library and design techniquesdevelop new number types above and beyond the built in classes of numberswho this book is for this book is for developers who want to use python to create efficient programs a good understanding of python programming is required to make the most out of this book knowledge of concepts related to object oriented design patterns will also be useful

quickly acquire the knowledge and skills you need to use object technology in your next development project a practical down to earth introduction to object oriented terms concepts and techniques object orientation second edition is for developers and programmers who are eager to start using object oriented technology right away building step by step from the fundamentals to advanced design and development topics this book supplies you with all the in depth technical information and guidance you need to confidently incorporate object oriented tools and techniques into your next project no matter what your level of experience thanks to the authors clear straightforward explanations and professional insights as well as the many real world examples appearing throughout the book you ll quickly acquire a solid working knowledge of abstract data typing inheritance and identity object oriented analysis and design including booch rumbaugh and other ooa and ood methodologies object oriented programming languages including the object oriented features of c smalltalk ada eiffel and other languages object oriented database management systems including ooddb ordb client server concepts and examples from object design gem stone versant unisql objectivity odb ii and other systems object oriented gui design including explanations of visual c and foundation classes macapp and nextstep object sharing and interchange with ole 2 and opendoc oma odmg 93 and other object oriented standardization efforts and much more featuring over 50 new and revised material this second edition of setrag khoshafian and razmik abnous s bestseller is now more than ever the best practical introduction to object technology for programmers and developers

provides information and tutorials on python s application domains and its use in databases networking scripting layers and text processing

object technology an invaluable collection of domain specific frameworks domain specific application frameworks frameworks provide generic software architectures that can be reused indefinitely to generate new applications but they don t readily translate from one business or industry domain to another a telecommunications framework looks very different from a currency trading framework for instance developers need instruction on how to build frameworks specific to the domains for which they program now this book cd rom package gives developers models and much more each chapter is built around a case study reporting a major framework implementation or customization project the 30 examples contained in the book cover an array of application domains including flexible manufacturing architectures computer integrated manufacturing new generation control systems concurrent engineering reliable distributed computing high performance servers multimedia telecommunications networking and telecommunications industrial visualization and many others the enclosed cd rom gives you example frameworks documentation and manuals framework code and implementation tips sample framework architectures and models design patterns and presentations animated demonstrations

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