# Getting Started with Pyparsing

#### by Paul McGuire

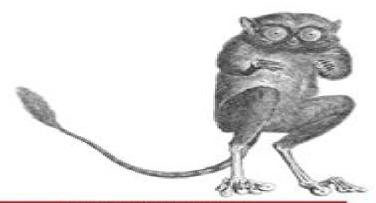
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Need to extract data from a text file or a web page? Or do you want to make your application more flexible with user-defined commands or search strings? Do regular expressions and lex/yacc make your eyes blur and your brain hurt?

Pyparsing could be the solution. Pyparsing is a pure-Python class library that makes it easy to build recursive-descent parsers quickly. There is no need to handcraft your own parsing state machine. With pyparsing, you can quickly create HTML page scrapers, logfile data extractors, or complex data structure or command processors. This Short Cut shows you how!

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# Getting Started With Pyparsing Getting Started With Pyparsing

Alex Martelli, Anna Martelli Ravenscroft, Steve Holden, Paul McGuire

#### **Getting Started With Pyparsing Getting Started With Pyparsing:**

**Getting Started with Pyparsing** Paul McGuire, 2007-10-05 Need to extract data from a text file or aweb page Or do you want to make yourapplication more flexible with user defined commands or search strings Doregular expressions and lex yacc makeyour eyes blur and your brain hurt Pyparsing could be the solution Pyparsingis a pure Python class library that makes it easy to build recursive descentparsers quickly There is no need tohandcraft your own parsing state machine With pyparsing you can guicklycreate HTML page scrapers logfile dataextractors or complex data structure or command processors This Short Cutshows you how Mastering Python Design Patterns Kamon Ayeva, Sakis Kasampalis, 2018-08-31 Exploit various design patterns to master the art of solving problems using Python Key Features Master the application design using the core design patterns and latest features of Python 3 7 Learn tricks to solve common design and architectural challenges Choose the right plan to improve your programs and increase their productivity Book Description Python is an object oriented scripting language that is used in a wide range of categories In software engineering a design pattern is an elected solution for solving software design problems Although they have been around for a while design patterns remain one of the top topics in software engineering and are a ready source for software developers to solve the problems they face on a regular basis This book takes you through a variety of design patterns and explains them with real world examples You will get to grips with low level details and concepts that show you how to write Python code without focusing on common solutions as enabled in Java and C You ll also fnd sections on corrections best practices system architecture and its designing aspects This book will help you learn the core concepts of design patterns and the way they can be used to resolve software design problems You ll focus on most of the Gang of Four GoF design patterns which are used to solve everyday problems and take your skills to the next level with reactive and functional patterns that help you build resilient scalable and robust applications By the end of the book you ll be able to effciently address commonly faced problems and develop applications and also be comfortable working on scalable and maintainable projects of any size What you will learn Explore Factory Method and Abstract Factory for object creation Clone objects using the Prototype pattern Make incompatible interfaces compatible using the Adapter pattern Secure an interface using the Proxy pattern Choose an algorithm dynamically using the Strategy pattern Keep the logic decoupled from the UI using the MVC pattern Leverage the Observer pattern to understand reactive programming Explore patterns for cloud native microservices and serverless architectures Who this book is for This book is for intermediate Python developers Prior knowledge of design patterns is not required to enjoy this book

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