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## Programming Clojure (2nd Revised edition)

By Stuart Halloway, Aaron Bedra

The Pragmatic Programmers. Paperback. Book Condition: new. BRAND NEW, Programming Clojure (2nd Revised edition), Stuart Halloway, Aaron Bedra, The second edition of Programming Clojure is the first book to cover the new features in Clojure 1.3. Clojure experts Stuart Halloway and Aaron Bedra have updated the first book on Clojure, and new examples have been added to demonstrate the power and depth of the new features. Programming Clojure, 2nd Edition covers new concepts like Protocols and Datatypes, as well as Clojure's changes to the numerics system. In addition, this book includes coverage of ClojureScript, a new platform for the Clojure language that rests on top of JavaScript. This book provides the foundation you need to understand the power of the Clojure language and how to wield it. Clojure is an increasingly important language. It recently overtook Scala in relative growth, and is becoming the language of choice for many who are moving to functional programming or dealing with the challenges of concurrency. More and more developers are starting to see what Clojure has to offer. \* Simplicity. Clojure's clean, careful design lets you write programs that get right to the essence of a problem, without a lot of clutter and...

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### Reviews

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-- Prof. Dan Windler MD

Clojure is a functional programming language that runs entirely on the Java Virtual Machine, in a similar way to Scala and Kotlin. Clojure is considered to be a Lisp derivative and will be familiar to anyone who has experience with other Lisp languages. This tutorial gives an introduction to the Clojure language, introducing how to get started with it and some of the key concepts to how it works.

## 2. Installing Clojure.

Clojure is available as installers and convenience scripts for use on Linux and macOS. Popular functional programming languages include Clojure, Common Lisp, Erlang, F#, Haskell, ML, OCaml, Scheme and Scala. Clojure and Scala were written to run on the Java Virtual Machine (JVM). Clojure is a dynamically-typed, functional programming language that runs on the JVM (Java 5 or greater) and provides interoperability with Java. A major goal of the language is to make it easier to implement applications that access data from multiple threads (concurrency). This article covers the Clojure programming language. Clojure is a Lisp dialect. It is assumed that you do not already know Lisp. Instead, it is assumed that you have knowledge of Java technology. To write Clojure programs, you need a Java Development Kit V5 or higher and the Clojure library. For this article, JDK V1.6.0\_13 and Clojure V1 were used. You should also take advantage of the Clojure plug-in for Eclipse (clojure-dev), and you will need Eclipse for that. Clojure is a dynamic programming language for the JVM. People come to Clojure from a variety of backgrounds. The purpose of this book is to help everyone get the most out of the Clojure language. It is not meant as a replacement for the documentation, found at the Clojure site. Please do not copy material from there to here! Feel free to post your own code, written in the Clojure language, here. However, please do not post excerpts, patches or other modifications or derivations of the Clojure source