Introduction To RISC Assembly Language Programming

Synopsis

This is a straightforward text on RISC assembly language programming for MIPS computers - the microprocessor gaining popularity due to its compact and elegant instruction set. Enabling students to understand the internal working of a computer, courses in RISC are an increasingly popular option in assembly language programming.

Book Information

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Customer Reviews

Great to learn about assembly language programming in general and MIPS computer RISC architecture in particular. Very readable with many good, understandable examples and good reference tables for the beginning assembly language programmer.I recommend althought the book seems somewhat over priced for its size and content.

This book is designed to be an introductory primer into Assembly language programing, in particular, on the MIPS processor. Assembly language programming is a subject that can a bit difficult for a reader to wrap his/her head around, even if programming in a higher level language is in his/her background. Not surprisingly, a good book on this subject takes its time to go over the subject in detail, and explain exactly what is happening. By contrast, this book seems to take an overly brusque approach to the whole subject, and the reader is often left guessing about the precise meaning of individual commands. Typos are not uncommon throughout the book, and the

organization is not useful. The information, such as it is, appears to be correct for the most part (typos excluded) which keeps this from being a 1 star rating. But when a reader is new to the subject, and still confident that they could write a better book...well, it's a very bad sign.I would suggest looking at "See MIPS Run", by Dominic Sweetman...I've not read it myself, but there are good reviews on , and I've heard good things about it from others, as well.

This is definitely a great resource for learning the MIPS assembly language. Not very long or in-depth but did the trick for me.

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