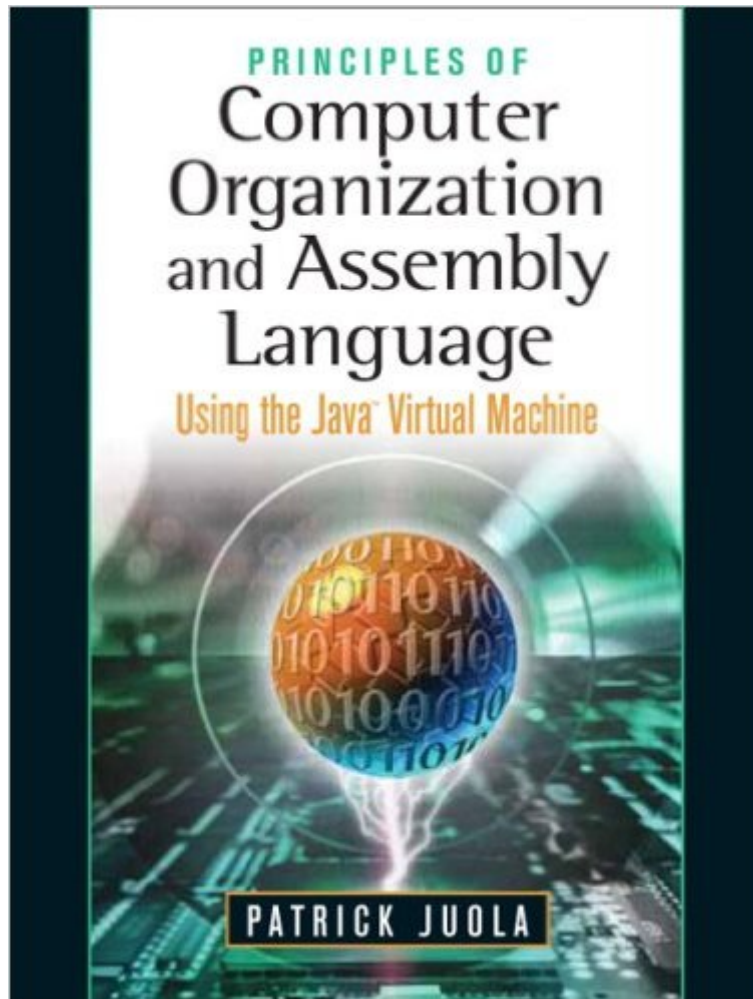


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# Principles Of Computer Organization And Assembly Language



## Synopsis

Today's incoming students are more likely to be exposed to Java than ever before. Focusing on a modern architecture (the Java Virtual Machine, or JVM), this text provides a thorough treatment of the principles of computer organization in the context of today's portable computer. Students are given simple but realistic examples to gain a complete understanding of how computation works on such a machine. Juola makes the material useful and relevant in a course that is often difficult for second-year CS students.

## Book Information

Paperback: 439 pages

Publisher: Pearson; 1 edition (January 8, 2007)

Language: English

ISBN-10: 0131486837

ISBN-13: 978-0131486836

Product Dimensions: 6.9 x 0.8 x 9 inches

Shipping Weight: 1.2 pounds (View shipping rates and policies)

Average Customer Review: 4.2 out of 5 stars [See all reviews](#) (4 customer reviews)

Best Sellers Rank: #1,064,758 in Books (See Top 100 in Books) #70 in [Books > Computers & Technology > Programming > Languages & Tools > Assembly Language Programming](#) #524 in [Books > Computers & Technology > Hardware & DIY > Design & Architecture](#) #551 in [Books > Computers & Technology > Hardware & DIY > Microprocessors & System Design](#)

## Customer Reviews

I'm giving this book five stars, because I think that anyone who is interested in an introductory understanding of Assembly-level architecture should read it. It's easy to read, informative, and substantive; definitely worth the money.

Probably the best tutorial on the JVM I have read so far. If you need to know JVM assembly I will highly recommend this book. For generic computer organization there are better options though...not much about operating systems, north/south bridging, etc. Descriptions of many different CPUs and microprocessors. A fine piece of work.

no real complaints... if it helps you, yes i kept the book as a reference and to keep dust off my bookshelf

Mr. Juola has written a good book that is nice & small (a big plus!) as it was easy to carry around. I have many qualms about the book, even though it is an excellent little book. The qualms are that many of the explanations could be way much better & some areas of the book (a minority) are not written well where as other areas are written brilliantly. He definitely could edit his own book so that it reads much better & it would be brilliant. As of this time it is only good in certain areas, but for the MOST PART is an good little book. An example of the confusion in his book would be his explanation on Jasmin code on how to put in text items. He had a bunch of confusing code which did not work right when tried (either due to confusion or just wrong code), but upon going online a small snippet of code was all it needed & solved the rest of my Jasmin needs, but this caused a lot of headaches trying zillions of different things. His assembly language explanations have a few grey areas as well as for example how he describes offsets for example. For the price it was a good buy as new they wanted some outrageous amount for a new one that is small & not a fantastically written book. If you need this for a class, do not buy new as the book is not worth the exhorbitant price, instead buy it here. The book arrived on time & in good shape.

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