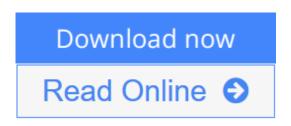# The Essentials of Computer Organization and Architecture

By Linda Null, Julia Lobur

The Essentials of Computer Organization and Architecture By Linda Null, Julia Lobur

The Essentials of Computer Organization and Architecture, Fourth Edition was recently awarded a "Textbook Excellence Award" ("Texty") from the Text and Academic Authors Association (TAA) the only association devoted solely to serving textbook and academic authors since 1987 (www.TAAonline.net). The "Textbook Excellence Award" recognizes works for their excellence in the areas of content, presentation, appeal, and teachability. This is the third Texty award for Null and Lobur. They also won for their Second and Third Editions of this text. Updated and revised to reflect the most current data in the field, perennial bestseller The Essentials of Computer Organization and Architecture, Fourth Edition is comprehensive enough to address all necessary organization and architecture topics, but concise enough to be appropriate for a single-term course. Its focus on real-world examples and practical applications encourages students to develop a "big-picture" understanding of how essential organization and architecture concepts are applied in the computing world. In addition to direct correlation with the ACM/IEEE CS2013 guidelines for computer organization and architecture, the text exposes readers to the inner workings of a modern digital computer through an integrated presentation of fundamental concepts and principles. The fully revised and updated Fourth Edition includes the most up-to-the-minute data and resources available and reflects current technologies, including tablets and cloud computing. All-new exercises, expanded discussions, and feature boxes in every chapter implement even more real-world applications and current data, and many chapters include all-new examples. A full suite of student and instructor resources, including a secure companion website, Lecture Outlines in PowerPoint Format, and an Instructor Manual, complement the text. This award-winning, best-selling text is the most thorough, student-friendly, and accessible text on the market today. Key Features: • The Fourth Edition is in direct correlation with the ACM/IEEE CS2013 guidelines for computer organization and architecture, in addition to integrating material from additional knowledge units. • All-new material on a variety of topics, including zetabytes and yottabytes, automatons, tablet computers, graphic processing units, and cloud computing • The MARIE Simulator package allows students to learn the essential concepts of computer organization and architecture, including assembly language, without getting caught up in unnecessary and confusing details. • Full

suite of ancillary materials, including a secure companion website, PowerPoint lecture outlines, and an Instructor Manual • Bundled with an optional Intel supplement • Ideally suited for single-term courses

The Essentials of Computer Organization and Architecture

By Linda Null, Julia Lobur

The Essentials of Computer Organization and Architecture By Linda Null, Julia Lobur

The Essentials of Computer Organization and Architecture, Fourth Edition was recently awarded a "Textbook Excellence Award" ("Texty") from the Text and Academic Authors Association (TAA) the only association devoted solely to serving textbook and academic authors since 1987 (www.TAAonline.net). The "Textbook Excellence Award" recognizes works for their excellence in the areas of content, presentation, appeal, and teachability. This is the third Texty award for Null and Lobur. They also won for their Second and Third Editions of this text. Updated and revised to reflect the most current data in the field, perennial bestseller The Essentials of Computer Organization and Architecture, Fourth Edition is comprehensive enough to address all necessary organization and architecture topics, but concise enough to be appropriate for a single-term course. Its focus on real-world examples and practical applications encourages students to develop a "big-picture" understanding of how essential organization and architecture concepts are applied in the computing world. In addition to direct correlation with the ACM/IEEE CS2013 guidelines for computer organization and architecture, the text exposes readers to the inner workings of a modern digital computer through an integrated presentation of fundamental concepts and principles. The fully revised and updated Fourth Edition includes the most up-to-the-minute data and resources available and reflects current technologies, including tablets and cloud computing. All-new exercises, expanded discussions, and feature boxes in every chapter implement even more real-world applications and current data, and many chapters include all-new examples. A full suite of student and instructor resources, including a secure companion website, Lecture Outlines in PowerPoint Format, and an Instructor Manual, complement the text. This award-winning, best-selling text is the most thorough, student-friendly, and accessible text on the market today. Key Features: • The Fourth Edition is in direct correlation with the ACM/IEEE CS2013 guidelines for computer organization and architecture, in addition to integrating material from additional knowledge units. • All-new material on a variety of topics, including zetabytes and yottabytes, automatons, tablet computers, graphic processing units, and cloud computing • The MARIE Simulator package allows students to learn the essential concepts of computer organization and architecture, including assembly language, without getting caught up in unnecessary and confusing details. • Full suite of ancillary materials, including a secure companion website, PowerPoint lecture outlines, and an Instructor Manual • Bundled with an optional Intel supplement • Ideally suited for single-term courses

The Essentials of Computer Organization and Architecture By Linda Null, Julia Lobur Bibliography

- Sales Rank: #326501 in Books
- Published on: 2014-03-03
- Ingredients: Example Ingredients
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x 7.75" w x 2.00" l, .0 pounds
- Binding: Hardcover
- 880 pages

Download and Read Free Online The Essentials of Computer Organization and Architecture By Linda Null, Julia Lobur

Editorial Review

Users Review

From reader reviews:

Glen Hoffman:

The feeling that you get from The Essentials of Computer Organization and Architecture may be the more deep you excavating the information that hide inside the words the more you get interested in reading it. It does not mean that this book is hard to be aware of but The Essentials of Computer Organization and Architecture giving you excitement feeling of reading. The author conveys their point in particular way that can be understood by means of anyone who read the idea because the author of this e-book is well-known enough. That book also makes your personal vocabulary increase well. Therefore it is easy to understand then can go to you, both in printed or e-book style are available. We highly recommend you for having this specific The Essentials of Computer Organization and Architecture instantly.

Tracey Egan:

The publication with title The Essentials of Computer Organization and Architecture contains a lot of information that you can learn it. You can get a lot of advantage after read this book. This specific book exist new know-how the information that exist in this e-book represented the condition of the world today. That is important to yo7u to learn how the improvement of the world. This particular book will bring you with new era of the glowbal growth. You can read the e-book on your own smart phone, so you can read this anywhere you want.

Mary Bunnell:

Reading a book being new life style in this 12 months; every people loves to study a book. When you go through a book you can get a lot of benefit. When you read textbooks, you can improve your knowledge, simply because book has a lot of information upon it. The information that you will get depend on what sorts of book that you have read. If you wish to get information about your examine, you can read education books, but if you want to entertain yourself you can read a fiction books, this sort of us novel, comics, and also soon. The The Essentials of Computer Organization and Architecture provide you with a new experience in looking at a book.

Eva Ammons:

This The Essentials of Computer Organization and Architecture is brand-new way for you who has fascination to look for some information as it relief your hunger details. Getting deeper you upon it getting knowledge more you know or else you who still having bit of digest in reading this The Essentials of

Computer Organization and Architecture can be the light food to suit your needs because the information inside this book is easy to get by means of anyone. These books acquire itself in the form which can be reachable by anyone, yeah I mean in the e-book contact form. People who think that in e-book form make them feel sleepy even dizzy this guide is the answer. So there is absolutely no in reading a book especially this one. You can find actually looking for. It should be here for a person. So , don't miss this! Just read this e-book variety for your better life and also knowledge.

Download and Read Online The Essentials of Computer Organization and Architecture By Linda Null, Julia Lobur #2CFKZN6LVSI

Read The Essentials of Computer Organization and Architecture By Linda Null, Julia Lobur for online ebook

The Essentials of Computer Organization and Architecture By Linda Null, Julia Lobur Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read The Essentials of Computer Organization and Architecture By Linda Null, Julia Lobur books to read online.

Online The Essentials of Computer Organization and Architecture By Linda Null, Julia Lobur ebook PDF download

The Essentials of Computer Organization and Architecture By Linda Null, Julia Lobur Doc

The Essentials of Computer Organization and Architecture By Linda Null, Julia Lobur Mobipocket

The Essentials of Computer Organization and Architecture By Linda Null, Julia Lobur EPub

2CFKZN6LVSI: The Essentials of Computer Organization and Architecture By Linda Null, Julia Lobur