



Foundations of Computer Science

By Behrouz A. Forouzan, Firouz Mosharraf

Download now

Read Online ➔

Foundations of Computer Science By Behrouz A. Forouzan, Firouz Mosharraf

Based on the ACM model curriculum guidelines, this easy-to-read and easy-to-navigate text covers all the fundamentals of computer science required for first year students embarking on a computing degree. Divided into five parts - computer and data, computer hardware, computer software, data organization and with an introduction to some of the more advanced topics - Foundations of Computer Science gives students a bird's eye view of the subject. Each chapter includes key terms, summaries, review questions, multiple-choice questions, and exercises to enhance learning, while introducing tools such as UML, structure chart and pseudocode, which students will need in order to succeed in later courses. The text is also supported by numerous figures, examples, exercises, selected solutions and a test bank, all designed to ease and aid the learning process. Updated to cover the latest technologies and changes to course requirements, this second edition features new and updated coverage of: Artificial Intelligence, Computer Ethics and Crimes, Networking, LINUX, and Security.

⬇️ [Download Foundations of Computer Science ...pdf](#)

📖 [Read Online Foundations of Computer Science ...pdf](#)

Foundations of Computer Science

By Behrouz A. Forouzan, Firouz Mosharraf

Foundations of Computer Science By Behrouz A. Forouzan, Firouz Mosharraf

Based on the ACM model curriculum guidelines, this easy-to-read and easy-to-navigate text covers all the fundamentals of computer science required for first year students embarking on a computing degree. Divided into five parts - computer and data, computer hardware, computer software, data organization and with an introduction to some of the more advanced topics - Foundations of Computer Science gives students a bird's eye view of the subject. Each chapter includes key terms, summaries, review questions, multiple-choice questions, and exercises to enhance learning, while introducing tools such as UML, structure chart and pseudocode, which students will need in order to succeed in later courses. The text is also supported by numerous figures, examples, exercises, selected solutions and a test bank, all designed to ease and aid the learning process. Updated to cover the latest technologies and changes to course requirements, this second edition features new and updated coverage of: Artificial Intelligence, Computer Ethics and Crimes, Networking, LINUX, and Security.

Foundations of Computer Science By Behrouz A. Forouzan, Firouz Mosharraf Bibliography

- Sales Rank: #937958 in Books
- Published on: 2007-12-05
- Original language: English
- Number of items: 1
- Dimensions: 9.60" h x 1.28" w x 7.40" l, 2.65 pounds
- Binding: Paperback
- 624 pages

 [Download Foundations of Computer Science ...pdf](#)

 [Read Online Foundations of Computer Science ...pdf](#)

Editorial Review

Review

1. Introduction PART 1: Computer and Data 2. Number System 3. Storing Data 4. Operations on Data PART 2: Computer Hardware 5. Computer Organizations 6. Computer Networks PART 3: Computer Software 7. Operating Systems 8. Algorithms 9. Programming Languages 10. Software Engineering PART 4: Data Organization 11. Data Structure 12. Abstract Data Type 13. File Structure 14. Databases PART 5: Advanced Topics 15. Data Compression 16. Security 17. Theory of Computation 18. Artificial Intelligent Appendices Appendix A: Unicode Appendix B: UML Appendix C: Pseudocode Appendix D: Structure Chart Appendix E: Logic Circuits Appendix F: Example of Machine Language Appendix G: Example of High-Level Languages Appendix H: Some Mathematical Review

About the Author

Behrouz A. Forouzan has more than 32 years of electronics and computer science experience in industry and academia. His industry experience includes designing electronic systems. After leaving the industry, he joined De Anza College as a professor of computer science. In addition to this text, he has authored and co-authored nine other textbooks including: Computer Science: A Structured Approach Using C, Computer Science: A Structured Approach Using C++, and Data Structures: A Pseudocode Approach with C++.

Users Review

From reader reviews:

Adrian Woodson:

Information is provisions for anyone to get better life, information presently can get by anyone at everywhere. The information can be a knowledge or any news even a huge concern. What people must be consider any time those information which is from the former life are challenging be find than now could be taking seriously which one is suitable to believe or which one typically the resource are convinced. If you get the unstable resource then you obtain it as your main information you will have huge disadvantage for you. All those possibilities will not happen with you if you take Foundations of Computer Science as your daily resource information.

Margert Lewis:

As we know that book is significant thing to add our understanding for everything. By a book we can know everything you want. A book is a pair of written, printed, illustrated or blank sheet. Every year has been exactly added. This guide Foundations of Computer Science was filled regarding science. Spend your extra time to add your knowledge about your research competence. Some people has several feel when they reading the book. If you know how big benefit from a book, you can truly feel enjoy to read a publication. In the modern era like right now, many ways to get book that you just wanted.

Brandi Huff:

Guide is one of source of expertise. We can add our knowledge from it. Not only for students but native or citizen have to have book to know the up-date information of year in order to year. As we know those textbooks have many advantages. Beside many of us add our knowledge, may also bring us to around the world. With the book Foundations of Computer Science we can have more advantage. Don't you to be creative people? Being creative person must prefer to read a book. Simply choose the best book that appropriate with your aim. Don't possibly be doubt to change your life by this book Foundations of Computer Science. You can more pleasing than now.

Diana Rush:

Reading a reserve make you to get more knowledge from it. You can take knowledge and information from a book. Book is composed or printed or outlined from each source that will filled update of news. In this modern era like today, many ways to get information are available for you actually. From media social such as newspaper, magazines, science guide, encyclopedia, reference book, fresh and comic. You can add your understanding by that book. Are you hip to spend your spare time to open your book? Or just in search of the Foundations of Computer Science when you desired it?

**Download and Read Online Foundations of Computer Science By
Behrouz A. Forouzan, Firouz Mosharraf #X4WK2NBU7AS**

Read Foundations of Computer Science By Behrouz A. Forouzan, Firouz Mosharraf for online ebook

Foundations of Computer Science By Behrouz A. Forouzan, Firouz Mosharraf 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 Foundations of Computer Science By Behrouz A. Forouzan, Firouz Mosharraf books to read online.

Online Foundations of Computer Science By Behrouz A. Forouzan, Firouz Mosharraf ebook PDF download

Foundations of Computer Science By Behrouz A. Forouzan, Firouz Mosharraf Doc

Foundations of Computer Science By Behrouz A. Forouzan, Firouz Mosharraf Mobipocket

Foundations of Computer Science By Behrouz A. Forouzan, Firouz Mosharraf EPub

X4WK2NBU7AS: Foundations of Computer Science By Behrouz A. Forouzan, Firouz Mosharraf