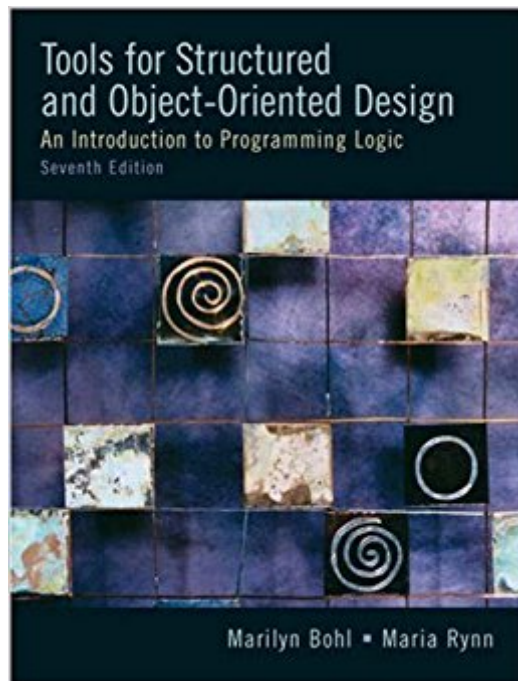




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Tools For Structured And Object-Oriented Design (7th Edition)



Synopsis

Using a concept-oriented, language-independent approach, *Tools for Structured and Object-Oriented Design* explores and illustrates introductory programming concepts and problem-solving tools. The book's three-part structure is supported by an exceptionally clear narrative and a host of step-by-step examples, sample problems, and exercises.

• Incorporates the most recent version of Visual Basic (2005), including new Vista/Visual Basic 2005 screen shots.

• Includes the most current material available, showcased in an updated design for improved content flow and readability. Features an average of two new problems per chapter, plus revisions to existing problems to reflect the latest information in the field.

For those interested in learning more about programming logic, either in a stand-alone programming logic and/or design course or as a supplement in a beginning programming course.

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Book Information

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Customer Reviews

Tools for Structured and Object-Oriented Design: An Introduction to Programming Logic Seventh Edition Marilyn Bohl - Maria Rynn

Tools for Structured and Object-Oriented Design: An Introduction to Programming Logic, Seventh Edition, teaches program design in a well-thought-out, language-independent manner, assuming no programming background whatsoever.

The authors begin with the absolute basics, building on them sequentially, one step at a time. Simply and clearly, they show how to analyze problems, and express the solutions in ways computers can

be directed to follow. Readers will learn how to use essential problem-solving tools, from ANSI/ISO standard flowcharting to pseudocode, structure charts, and UML. Sample problems and exercises are included throughout. Many chapters include enrichment sections illustrating key concepts in Visual Basic. Three final chapters demonstrate design solutions to more complex but common applications (sorting, searching, file processing, and report writing). This new edition has been thoroughly updated with more coverage of object-oriented design and UML diagramming. Dozens of new exercises are provided, and all existing exercises have been updated as needed. The entire book has been redesigned to improve content flow and readability, and all screen images now reflect the new Windows Vista interface. Coverage includes:

- Maintaining a coherent overall structure in program design
- Top-down, modular program development techniques, including structure charts
- Utilizing flowcharts and pseudocode to plan the logic of a well-structured program
- Using control structures: SIMPLE SEQUENCE, IFTHENELSE, DOWHILE, CASE, and DOUNTIL
- Working with arrays: from one- and two-dimensional arrays to advanced searching and sorting
- Object-oriented design: classes, objects, data members, methods, encapsulation, and overloading, polymorphism, abstract classes, and inner classes
- Inheritance, generalization/specialization relationships, association, aggregation, and composition
- The evolution of Unified Modeling Language (UML) and use of UML class and object diagrams in problem solving

About the Authors

 Marilyn Bohl, author of nine college texts in the computing field, has 25 years of software engineering experience at IBM, Ingres, and a couple of startup companies. Maria Rynn, Associate Professor of Information Technology at Northern Virginia Community College holds a B.A. in Mathematics from West Chester State College and an M.S. in Computer Science from the University of Maryland.

Marilyn Bohl, author of nine college texts in the computing field, has 25 years of software engineering experience at IBM, Ingres, and a couple of startup companies. Maria Rynn, Associate Professor of Information Technology at Northern Virginia Community College, holds a B.A. in Mathematics from West Chester State College and an M.S. in Computer Science from the University of Maryland.

This is the worst programming text book that I have ever read. Instead of helping you to better understand how to write pseudocode and other aspects of basic programming, this book will only confuse you. Instead of breaking down the topic in a manner that is easy to understand, which pseudocode is, it simply gives you very little information and repeats that same information

throughout each chapter. I had to buy this book for a programming course at college and found that it hindered my ability to understand the basics and fundamentals of pseudocode rather than aided it. The sad part is that one of the authors is a dean at the community college that I am attending, which is more than likely the reason that they chose this book.

My experience with this book is that instead of teaching you, it will confuse you more. The subjects need to be broken down in a more easy to understand method with explanations of why it is better to follow those paths.

Bought used and it came in perfect condition. Amazing book and a must need for my class even though it's a little out dated but no problem. Only problem I had was that it had used book stickers all around the cover but besides that good deal

it's an okay book

Good condition

The book was in a very good condition when it arrived. Unfortunately I no longer required assistance from the book because I changed major.

This book was required by a class I was taking at my local college, and purchased on for well under the normal rate. I can't stand to bear new book prices. After the class was done, sold it back online to . Love it.

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