



**IVOR
HORTON**

"With my book you will master programming in Java. You'll get a thorough, practical grounding in the Java language and key class libraries. There's a lot of it - but it's great fun - and it's easier than you think!"

BEGINNING

Java 2

Covers JDK 1.2



A comprehensive tutorial to Java programming

Beginning Java 2

M Mark



Beginning Java 2:

Ivor Horton's Beginning Java 2, JDK 5 Edition Ivor Horton, 2005 [Ivor Horton's Beginning Java 2, JDK](#) Ivor Horton, 2005 **Beginning Java 2** Ivor Horton, 2004-08-18

What is this book about The Java language has been growing from strength to strength since its inception in 1995 It has since proved to be both powerful and extraordinarily easy to learn and use This is what makes it ideal for the beginner With dramatic changes to the handling of files and the introduction of native support for XML Java has been updated to work faster and to be current with the incredible rise of XML as a medium for communicating data This edition of the Beginning Java books outlines everything the beginning programmer needs to know to program with the Java programming language and the 1.4 Java Developer Kit JDK With the release of JDK 1.4 programmers can look forward to the most stable edition yet and even better performance than was available previously Over the course of the book you will build an example application called Sketcher a simple drawing tool that teaches you how to build an interactive user interface with Java how to save and open files how to use color and how to respond to user input

What does this book cover Teaches the Java language from scratch Object oriented Programming in Java Handling errors and exceptions in applications Manipulating data and files Concurrent programming and threads A comprehensive introduction to Swing the graphical user interface API for Java Printing in Java An introduction to XML Who is this book for Ivor's inimitable style has proved to be a hit with nearly half a million people with its easy to learn approach and the many useful examples Regularly voted the most popular Java programming book this book teaches Java from scratch and assumes no previous knowledge It is also suitable for those who have got some programming experience especially C or C++ which will make learning easier

[Beginning Java 2](#) Ivor Horton, 2002-03-29

What is this book about The Java language has been growing from strength to strength since its inception in 1995 It has since proved to be both powerful and extraordinarily easy to learn and use This is what makes it ideal for the beginner With dramatic changes to the handling of files and the introduction of native support for XML Java has been updated to work faster and to be current with the incredible rise of XML as a medium for communicating data This edition of the Beginning Java books outlines everything the beginning programmer needs to know to program with the Java programming language and the 1.4 Java Developer Kit JDK With the release of JDK 1.4 programmers can look forward to the most stable edition yet and even better performance than was available previously Over the course of the book you will build an example application called Sketcher a simple drawing tool that teaches you how to build an interactive user interface with Java how to save and open files how to use color and how to respond to user input

What does this book cover Teaches the Java language from scratch Object oriented Programming in Java Handling errors and exceptions in applications Manipulating data and files Concurrent programming and threads A comprehensive introduction to Swing the graphical user interface API for Java Printing in Java An introduction to XML Who is this book for Ivor's inimitable style has proved to be a hit with nearly half a million people with its easy to learn approach and

the many useful examples Regularly voted the most popular Java programming book this book teaches Java from scratch and assumes no previous knowledge It is also suitable for those who have got some programming experience especially C or C++ which will make learning easier

Beginning Java 2, 1999 **Beginning Java 2** Ivor Horton, 2002-03-29 What is this book about The Java language has been growing from strength to strength since its inception in 1995 It has since proved to be both powerful and extraordinarily easy to learn and use This is what makes it ideal for the beginner With dramatic changes to the handling of files and the introduction of native support for XML Java has been updated to work faster and to be current with the incredible rise of XML as a medium for communicating data This edition of the Beginning Java books outlines everything the beginning programmer needs to know to program with the Java programming language and the 1.4 Java Developer Kit JDK 1.4 With the release of JDK 1.4 programmers can look forward to the most stable edition yet and even better performance than was available previously Over the course of the book you will build an example application called Sketcher a simple drawing tool that teaches you how to build an interactive user interface with Java how to save and open files how to use color and how to respond to user input What does this book cover Teaches the Java language from scratch Object oriented Programming in Java Handling errors and exceptions in applications Manipulating data and files Concurrent programming and threads A comprehensive introduction to Swing the graphical user interface API for Java Printing in Java An introduction to XML Who is this book for Ivor's inimitable style has proved to be a hit with nearly half a million people with its easy to learn approach and the many useful examples Regularly voted the most popular Java programming book this book teaches Java from scratch and assumes no previous knowledge It is also suitable for those who have got some programming experience especially C or C++ which will make learning easier

[Murach'S Beginning Java 2](#) JOEL. MURACH, 2002 Although Java is a difficult subject it's not as difficult as other books make it seem So the goal of our book is to cut through the confusion to teach you how to code object oriented business programs in Java as quickly and easily as possible 7 ways our book works better than any others you've tried Get started right Obvious as this sounds most beginning Java books don't get you started off right or fast But author Andrea Steelman has psyched out what you need to know first and how to build on that knowledge in manageable steps without wasting your time So by the end of chapter 2 in this book you'll have installed Java on your system and you'll have coded and compiled your first program And by the end of chapter 6 you'll be starting to design code test and debug the kind of object oriented Java applications that businesses rely on Practical object oriented examples In our 25 years of experience we've learned that it's the coding examples that determine the effectiveness of any programming course Without them you can't see the relationships between the objects methods events classes and Java code that a program requires Yet most beginning Java books present toy applications that trivialize the complexities a professional developer has to deal with In contrast all the examples in our book are from real world business applications that follow the principles of object oriented programming Frustration free GUI guide Figuring out how to create

a GUI with other books can take you weeks even though that's such a common programming requirement. But our book has you creating your first GUI from start to finish in a single chapter, chapter 11. Then 4 more chapters show you how to enhance it and how to convert it to an applet. Go beyond the basics: JDBC and threads. If you're doing Java programming for a living, you'll need to work with databases and threads. This book gets you started by teaching you how to use JDBC for databases and how to use threads to optimize your applications' performance. Exercises insure your success. The exercises at the end of each chapter let you solidify your skills so you'll feel confident about working on your own programs. And they all use the source code and data on the bound-in CD to give you a maximum amount of practice. Paired pages for quick knowledge. All the information is presented in user-friendly paired pages with the essential details and coding examples on the right and the perspective on the left. You read less and learn more. Time-saving reference. Sure you'll use the Java API documentation regularly once you know Java. But when you need to know how to do something in the first place or to brush up on the details, the paired pages make this book the fastest way to get the answers.

Ivor Horton's Beginning Java™ 2, JDK™ 5th Edition Ivor Horton, 2004. What is this book about? This book is a comprehensive introduction to the Java programming language, updated thoroughly more than 35 times and updated for the latest SDK 1.5 release. This book shows readers how to build real-world Java applications using the Java SDK. No previous programming experience is required. The author uses numerous step-by-step programming examples to guide readers through the ins and outs of Java development. In addition to fully covering new features of SDK 1.5 such as generic types, the author has also added new chapters on Java database programming with JDBC and Java programming with XML. *BEGINNING JAVA 2 SDK 1.4 EDITION* □□□□□, 2003-01-14

Beginning Java 2 Ivor Horton, 2002. The Java language has been growing from strength to strength since its inception in 1995. It has since proved to be both powerful and extraordinarily easy to learn and use. This is what makes it ideal for the beginner. With dramatic changes to its handling of files and the introduction of native support for XML, Java has been updated to work faster and to be current with the incredible rise of XML as a medium for communicating data. This edition of the *Beginning Java* books outlines everything the beginning programmer needs to know to program with the Java programming language and the 1.4 Java Developer Kit. With the release of JDK 1.4, programmers can look forward to the most stable edition yet and even better performance than was available previously. Ivor's inimitable style has proved to be a hit with nearly half a million people with its easy-to-learn approach and the many useful examples. Regularly voted the most popular Java programming book, this book teaches Java from scratch and assumes no previous knowledge. It is also suitable for those who have got some programming experience, especially C or C++, which will make learning easier. Either way, you will soon become expert in creating your own programs. It includes a full explanation of Object-Oriented programming. A comprehensive introduction to Swing is accompanied by a significant application that you will develop through the last half of the book and which demonstrates all of the necessary skills for creating fully featured Java applications. To add to this help

from your peers and from the author are available through the unique programmer to programmer mailing lists forums and newsgroups all in addition to our one to one email support helping you to overcome any difficulties and work through

Murach's Beginning Java 2 Andrea Steelman, 2001 An exciting new approach to Java instruction that includes the latest Java releases 1.3.1 and 1.4 In just twenty chapters you grow from beginner to entry level professional Along the way you learn how to develop GUIs with Swing components how to work with files how to use JDBC to work with databases how to develop applets that are run from Internet browsers how to work with threads and much more It's all there in the unique Murach style that has been training professional programmers for more than 25 years Includes CD Rom *Beginning Java 2 Jdk (5th Ed.)* Ivor Horton's, 2009-08 **Beginning Java Objects** Jacquie Barker, 2006-11-22 Learning to design objects effectively with Java is the goal of *Beginning Java Objects From Concepts to Code Second Edition* Plenty of titles dig into the Java language in massive detail but this one takes the unique approach of stepping back and looking at fundamental object concepts first Mastery of Java from understanding the basic language features to building complete industrial strength Java applications emerges only after a thorough tour of thinking in objects The first edition of *Beginning Java Objects* has been a bestseller this second edition includes material on the key features of J2SE 5 conceptual introductions to JDBC and J2EE and an in depth treatment of the critical design principles of model data layer separation and model view separation Despite the plethora of beginning Java titles on the market this book is truly unique in its coverage of three critical topic subject concepts UML modeling and Java programming within a single cover It's ideal for both individual self study and as a university level textbook Let *Beginning Java Objects Second Edition* be your guide **The Database Hacker's Handbook Defending Database** David Litchfield Chris Anley John Heasman Bill Gri, *Java 2 For Dummies* Burd, 2004-08-26 This updated bestseller covers programming essentials for the newest version of Java the popular platform independent object oriented programming language The material is fully updated and focuses on the new Java SDK 1.5 addressing the needs of new or inexperienced Java developers The fun and easy writing style walks readers through Java syntax basics and helps them write their first program Shows readers how to create basic Java objects and figure out when they can reuse existing code The new edition is also modified to better address the readers who may have some programming knowledge but who are new to Java **Java 2** Herbert Schildt, Schildt, 2001-06 *Beginning Java 5 Game Programming* Jonathan S. Harbour, 2006 If you are interested in creating games for the casual game market then get ready to set the wheels in motion This hands on guide for beginners allows you to increase your skill level along the way as you create a game full of cool artwork and intricate details This book is not an introductory guide to the Java programming language but instead serves as an introduction to the field of game programming using Java From the basics of creating simple Java programs and writing graphics code to utilizing Java's advanced 2D library and adding sound effects and music this book's step by step instructions will help you acquire all the skills you need to create a professional quality sprite based game *Sql Server 2000 Programming* Vieira, 2004

Murach's Beginning Visual Basic .Net Anne Prince, 2002 Although Murach's Beginning Visual Basic .NET is designed for people who are new to the .NET Framework Visual Basic or even programming its goals are ambitious In just 20 chapters you'll learn how to develop graphical user interfaces how to develop applications that work with databases through ADO .NET how to develop web applications that use Web services and XML and much more It's all there in the unique Murach style that has been training professional programmers for more than 25 years

Java from the Beginning Jan Skansholm, 2000 This book gives an accessible introduction to the modern way of programming and how to write modern programs that use Graphical User Interface

Embark on a breathtaking journey through nature and adventure with Explore with is mesmerizing ebook, Natureis Adventure: **Beginning Java 2** . This immersive experience, available for download in a PDF format (PDF Size: *), transports you to the heart of natural marvels and thrilling escapades. Download now and let the adventure begin!

https://enterpriseenrollment.cruiselady.com/public/book-search/Download_PDFS/a%20chance%20to%20change.pdf

Table of Contents Beginning Java 2

1. Understanding the eBook Beginning Java 2
 - The Rise of Digital Reading Beginning Java 2
 - Advantages of eBooks Over Traditional Books
2. Identifying Beginning Java 2
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Beginning Java 2
 - User-Friendly Interface
4. Exploring eBook Recommendations from Beginning Java 2
 - Personalized Recommendations
 - Beginning Java 2 User Reviews and Ratings
 - Beginning Java 2 and Bestseller Lists
5. Accessing Beginning Java 2 Free and Paid eBooks
 - Beginning Java 2 Public Domain eBooks
 - Beginning Java 2 eBook Subscription Services
 - Beginning Java 2 Budget-Friendly Options
6. Navigating Beginning Java 2 eBook Formats

- ePub, PDF, MOBI, and More
 - Beginning Java 2 Compatibility with Devices
 - Beginning Java 2 Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Beginning Java 2
 - Highlighting and Note-Taking Beginning Java 2
 - Interactive Elements Beginning Java 2
 8. Staying Engaged with Beginning Java 2
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Beginning Java 2
 9. Balancing eBooks and Physical Books Beginning Java 2
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Beginning Java 2
 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
 11. Cultivating a Reading Routine Beginning Java 2
 - Setting Reading Goals Beginning Java 2
 - Carving Out Dedicated Reading Time
 12. Sourcing Reliable Information of Beginning Java 2
 - Fact-Checking eBook Content of Beginning Java 2
 - Distinguishing Credible Sources
 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

Beginning Java 2 Introduction

In the digital age, access to information has become easier than ever before. The ability to download Beginning Java 2 has revolutionized the way we consume written content. Whether you are a student looking for course material, an avid reader searching for your next favorite book, or a professional seeking research papers, the option to download Beginning Java 2 has opened up a world of possibilities. Downloading Beginning Java 2 provides numerous advantages over physical copies of books and documents. Firstly, it is incredibly convenient. Gone are the days of carrying around heavy textbooks or bulky folders filled with papers. With the click of a button, you can gain immediate access to valuable resources on any device. This convenience allows for efficient studying, researching, and reading on the go. Moreover, the cost-effective nature of downloading Beginning Java 2 has democratized knowledge. Traditional books and academic journals can be expensive, making it difficult for individuals with limited financial resources to access information. By offering free PDF downloads, publishers and authors are enabling a wider audience to benefit from their work. This inclusivity promotes equal opportunities for learning and personal growth. There are numerous websites and platforms where individuals can download Beginning Java 2. These websites range from academic databases offering research papers and journals to online libraries with an expansive collection of books from various genres. Many authors and publishers also upload their work to specific websites, granting readers access to their content without any charge. These platforms not only provide access to existing literature but also serve as an excellent platform for undiscovered authors to share their work with the world. However, it is essential to be cautious while downloading Beginning Java 2. Some websites may offer pirated or illegally obtained copies of copyrighted material. Engaging in such activities not only violates copyright laws but also undermines the efforts of authors, publishers, and researchers. To ensure ethical downloading, it is advisable to utilize reputable websites that prioritize the legal distribution of content. When downloading Beginning Java 2, users should also consider the potential security risks associated with online platforms. Malicious actors may exploit vulnerabilities in unprotected websites to distribute malware or steal personal information. To protect themselves, individuals should ensure their devices have reliable antivirus software installed and validate the legitimacy of the websites they are downloading from. In conclusion, the ability to download Beginning Java 2 has transformed the way we access information. With the convenience, cost-effectiveness, and accessibility it offers, free PDF downloads have become a popular choice for students, researchers, and book lovers worldwide. However, it is crucial to engage in ethical downloading practices and prioritize personal security when utilizing online platforms. By doing so, individuals can make the most of the vast array of free PDF resources available and embark on a journey of continuous learning and intellectual growth.

FAQs About Beginning Java 2 Books

1. Where can I buy Beginning Java 2 books? Bookstores: Physical bookstores like Barnes & Noble, Waterstones, and independent local stores. Online Retailers: Amazon, Book Depository, and various online bookstores offer a wide range of books in physical and digital formats.
2. What are the different book formats available? Hardcover: Sturdy and durable, usually more expensive. Paperback: Cheaper, lighter, and more portable than hardcovers. E-books: Digital books available for e-readers like Kindle or software like Apple Books, Kindle, and Google Play Books.
3. How do I choose a Beginning Java 2 book to read? Genres: Consider the genre you enjoy (fiction, non-fiction, mystery, sci-fi, etc.). Recommendations: Ask friends, join book clubs, or explore online reviews and recommendations. Author: If you like a particular author, you might enjoy more of their work.
4. How do I take care of Beginning Java 2 books? Storage: Keep them away from direct sunlight and in a dry environment. Handling: Avoid folding pages, use bookmarks, and handle them with clean hands. Cleaning: Gently dust the covers and pages occasionally.
5. Can I borrow books without buying them? Public Libraries: Local libraries offer a wide range of books for borrowing. Book Swaps: Community book exchanges or online platforms where people exchange books.
6. How can I track my reading progress or manage my book collection? Book Tracking Apps: Goodreads, LibraryThing, and Book Catalogue are popular apps for tracking your reading progress and managing book collections. Spreadsheets: You can create your own spreadsheet to track books read, ratings, and other details.
7. What are Beginning Java 2 audiobooks, and where can I find them? Audiobooks: Audio recordings of books, perfect for listening while commuting or multitasking. Platforms: Audible, LibriVox, and Google Play Books offer a wide selection of audiobooks.
8. How do I support authors or the book industry? Buy Books: Purchase books from authors or independent bookstores. Reviews: Leave reviews on platforms like Goodreads or Amazon. Promotion: Share your favorite books on social media or recommend them to friends.
9. Are there book clubs or reading communities I can join? Local Clubs: Check for local book clubs in libraries or community centers. Online Communities: Platforms like Goodreads have virtual book clubs and discussion groups.
10. Can I read Beginning Java 2 books for free? Public Domain Books: Many classic books are available for free as they're in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

Find Beginning Java 2 :

[a chance to change](#)

[a civil tongue](#)

a circus of needs

a casual view of america the home letters of salomon de rothschild 1859-1861.

[a basic guide to the prado a view of the museum according to styles](#)

[a chronicle of north carolina during the american revolution 1763-1789](#)

[a bowl of porridge](#)

[a catalogue of the egyptian collection in the fitz](#)

[a butterflys teeth](#)

[a century of politics on the yellowstone](#)

[a christmas surprise for rachel rabbit](#)

[a childs bible new king james version](#)

a christian approach to education

[a bullet for the shah](#)

a collection of letters to nuns

Beginning Java 2 :

Harvard Managementor Post Assessment Answers Coaching Jun 23, 2023 — [harvard-managementor-post-assessment-answers-coaching ...](#) Harvard Managementor Post Assessment Answers Coaching Book Review: Unveiling the Magic ... Please, provide correct answers to Strategic Thinking ... Mar 10, 2014 — 10... Please, provide correct answers to Strategic Thinking Questions. 10 questions (Multiple choice) Harvard ManagerMentor Post Assessment. post assessment answers Harvard Manage Mentor ... Oct 21, 2015 — post assessment answers Harvard Manage Mentor Decision Making. Business. Rated. Solved by verified expert. Answered step-by-step. Harvard Managementor Assessment Answers Form Harvard Managementor Answers. Explore the easiest way to report your miscellaneous compensations. Complete fillable Managementor Feedback Sample with ... Harvard ManageMentor Help students discover their talents, explore career options, and manage themselves as they navigate post-graduation life. ... Provide non-business majors an ... Harvard ManageMentor Build, broaden, refresh your business skills with HBR's 41 online modules on managing yourself, others, and your business. Includes, audio, video, and ... Exam 3 Harvard Manage Mentor Chapter 7 Flashcards Study with Quizlet and

memorize flashcards containing terms like What are difficult interactions?, Why isn't conflict all bad?, Why do conflicts happen? and ... Harvard Managementor Project Management Post ... Fill Harvard Managementor Project Management Post Assessment Answers, Edit online. Sign, fax and printable from PC, iPad, tablet or mobile with pdfFiller ... Harvard ManageMentor? Found in my companies online training that we have 28 of the HMM series course available at no cost to us. each one 2 hours. for a total of 56 hours ... HARVARD MANAGEMENTOR® Each course summarizes critical ideas and advice on essential management topics such as leading teams, project management, strategic thinking, and much more.

Entrepreneurship Ideas in Action - 3rd Edition Find step-by-step solutions and answers to Entrepreneurship Ideas in Action - 9780538441223, as well as thousands of textbooks so you can move forward with ... ENTREPRENEURSHIP Ideas in Action ... Edition with CD ISBN 13: 978-0-538-44626-6. Student Edition with ... Ideas in Action presents stories of successful young Entrepreneurs. Making Job Connections 3. Entrepreneurship Ideas In Action Chapter 3 Flashcards Study with Quizlet and memorize flashcards containing terms like business plan (What is it?), pro forma financial statement, exit (harvest) strategy and ... Entrepreneurship Ideas In Action 3rd Edition Answers Pdf Entrepreneurship Ideas In Action 3rd Edition Answers Pdf. INTRODUCTION Entrepreneurship Ideas In Action 3rd Edition Answers Pdf (2023) Entrepreneurship: Ideas in Action: Greene, Cynthia L. Entrepreneurship: Ideas in Action. 3rd Edition. ISBN-13: 978-0538441223, ISBN-10: 0538441224. 4.1 4.1 out of 5 stars 11 Reviews. 4.1 on Goodreads. (26). Chapter 1 1.4 Problem Solving for Entrepreneurs. 1. Slide 2. Entrepreneurship: Ideas in Action. © Cengage Learning/South-Western. Ideas in Action. After identifying an ... Ideas in Action Updated, 6th, Precision Exams Edition ENTREPRENEURSHIP: IDEAS IN ACTION 6E provides students with the knowledge needed to realistically evaluate their potential as a business owner. Lesson 5 - Entrepreneurship Ideas in Action | PDF Entrepreneurship Dept. TREY research 1. Pursue Passions and. Interests. 2. Build positive relationships and reach out when necessary. 3. 5 Entrepreneurship Ideas in Action | PDF 1. Pursue the Passions and. Interests. · 2. Build positive relationships and reach out when necessary. · 3. Think About What Needs Improvement in Your · 4. Keep an ... Greene, Entrepreneurship: Ideas in Action Teacher ... Entrepreneurship course FREE teacher resources and trial access to online course solution as well as a correlation to WI state MME & WCCTS standards. Medical Assisting, 9th Edition - 9780357502815 MindTap for Blesi's, Medical Assisting: Administrative & Clinical Competencies, 9th Edition is the digital learning solution that powers students from ... Medical Assisting: Administrative and Clinical Competencies This comprehensive text helps you develop the critical knowledge, skills, and behaviors to succeed as an entry-level medical assistant. Medical Assisting: Administrative & Clinical Competencies ... Strengthen your knowledge base as well as the critical skills and behaviors needed to become a successful entry-level medical assistant with Blesi's MEDICAL ... Medical Assisting, Administrative and Clinical Competencies Over 20 new administrative and clinical procedures that include notes, rationales, and charting examples; New chapter on medical terminology; Electronic health ... Comprehensive Medical

Assisting Administrative and ... Divided into three sections, chapters start with general topics, including therapeutic communications, coping skills, and professionalism. Administrative ... Medical Assisting, 8th Edition - 9781337909815
MEDICAL ASSISTING: ADMINISTRATIVE AND CLINICAL COMPETENCIES UPDATE, Eighth Edition, delivers the critical cognitive (knowledge base), psychomotor (skills) and ... Medical Assisting, Administrative and Clinical Competencies
Description: This comprehensive text helps you develop the critical knowledge, skills, and behaviors to succeed as an entry-level medical assistant. Medical Assisting: Administrative & Clinical Competencies Strengthen your knowledge base as well as the critical skills and behaviors needed to become a successful entry-level medical assistant with Blesi's. Workbook to Accompany Medical Assisting This entry-level medical assistant workbook is part of a proven comprehensive learning system that covers all of the administrative, clinical, and general ... Bundle: Medical Assisting: Administrative & Clinical ... Buy Bundle: Medical Assisting: Administrative & Clinical Competencies (Update), 8th + MindTap Medical Assisting, 4 terms (24 months) Printed Access Card ...