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How far should you go to make a profit? Infoquake, the debut novel by David Louis Edelman, takes speculative fiction into alien territory: the corporate boardroom of the far future. It's a stunning trip through the trenches of a technological war fought with product demos, press releases, and sales pitches. Natch is a master of bio/logics, the programming of the human body. He's clawed and scraped his way to the top of the bio/logics market using little more than his wits. Now his sudden notoriety has brought him to the attention of Margaret Surina, the owner of a mysterious new technology called MultiReal. Only by enlisting Natch's devious mind can Margaret keep MultiReal out of the hands of High Executive Len Borda and his ruthless armies. To fend off the intricate net of enemies closing in around him, Natch and his apprentices must accomplish the impossible. They must understand this strange new technology, run through the product development cycle, and prepare MultiReal for release to the public—all in three days. Meanwhile, hanging over everything is the specter of the infoquake, a lethal burst of energy that's disrupting the bio/logic networks and threatening to send the world crashing back into the Dark Ages. With Infoguake, David Louis Edelman has created a fully detailed world that's both as imaginative as Dune and as real as today's Wall Street Journal.

LINUX DRIVER DEVELOPMENT FOR EMBEDDED PROCESSORS - SECOND EDITION - The flexibility of Linux embedded, the availability of powerful, energy efficient processors designed for embedded computing and the low cost of new processors are encouraging many industrial companies to come up with new developments based on embedded processors. Current engineers have in their hands powerful tools for developing applications previously unimagined, but they need to understand the countless features that Linux offers today. This book will teach you how to develop device drivers for Device Tree Linux embedded systems. You will learn how to write different types of Linux drivers, as well as the appropriate APIs (Application Program Interfaces) and methods to interface with kernel and user spaces. This is a book is meant to be practical, but also provides an important theoretical base. More than twenty drivers are written and ported to three different processors. You can choose between NXP i.MX7D, Microchip SAMA5D2 and Broadcom BCM2837 processors to develop and test the drivers, whose implementation is described in detail in the practical lab sections of the book. Before you start reading, I encourage you to acquire any of these processor boards whenever you have access to some GPIOs, and at least one SPI and I2C controllers. The hardware configurations of the different evaluation boards used to develop the drivers are explained in detail throughout this book; one of the boards used to implement the drivers is the famous Raspberry PI 3 Model B board. You will learn how to develop drivers, from the simplest ones that do not interact with any external hardware, to drivers that manage different kind of devices: accelerometers, DACs, ADCs, RGB LEDs, Multi-Display LED controllers, I/O expanders, and Buttons. You will also develop DMA drivers, drivers that manage interrupts, and drivers that write/read on the internal registers of the processor to control external devices. To easy the development of some of these drivers, you will use different types of Frameworks: Miscellaneous framework, LED framework, UIO framework, Input framework and the IIO industrial one. This second edition has been

updated to the v4.9 LTS kernel. Recently, all the drivers have been ported to the new Microchip SAMA5D27-SOM1 (SAMA5D27 System On Module) using kernel 4.14 LTS and included in the GitHub repository of this book; these drivers have been tested in the ATSAMA5D27-SOM1-EK1 evaluation platform; the ATSAMA5D27-SOM1-EK1 practice lab settings are not described throughout the text of this book, but in a practice labs user guide that can be downloaded from the book ?s GitHub.

For over 40 years, Warship has been the leading annual resource on the design, development, and deployment of the world's combat ships. Featuring a broad range of articles from a select panel of distinguished international contributors, this latest volume combines original research, new book reviews, warship notes, an image gallery, and much more, maintaining the impressive standards of scholarship and research with which Warship has become synonymous. Detailed and accurate information is the keynote of all the articles, which are fully supported by plans, data tables, and stunning photographs.

"My heart wandered through the world constantly seeking after my cure, but the sweet and delicious water of life had to break through the granite of my heart." When the words of Rumi enter your heart, something softens, breaks, and is subtly reborn. That he wrote the words seven hundred years ago in a medieval Persian world that bears little resemblance to ours makes their uncanny resonance to us today just that much more remarkable. Here is a treasury of daily wisdom from this most beloved of all the Sufi masters—both his prose and his ecstatic poetry—that you can use to start every day for a year, or that you can dip into for inspiration any time you need to break through the granite of your heart.

Python is an easy to learn, powerful programming language. It has efficient high-level data structures and a simple but effective approach to object-oriented programming. Python's elegant syntax and dynamic typing, together with its interpreted nature, make it an ideal language for scripting and rapid application development in many areas on most platforms. The Python interpreter and the extensive standard library are freely available in source or binary form for all major platforms from the Python Web site. The same site also contains distributions of and pointers to many free third party Python modules, programs and tools, and additional documentation. The Python interpreter is easily extended with new functions and data types implemented in C or C++ (or other languages callable from C). Python is also suitable as an extension language for customizable applications. This tutorial introduces the reader informally to the basic concepts and features of the python language and system. It helps to have a Python interpreter handy for hands-on experience, but all examples are self contained, so the tutorial can be read off-line as well. For a description of standard objects and modules, see library-index. reference-index gives a more formal de?nition of the language. To write extensions in C or C++, read extending-index and c-api-index. There are also several books covering Python in depth. This tutorial does not attempt to be comprehensive and cover every single feature, or even every commonly used feature. Instead, it introduces many of Python's most noteworthy features, and will give you a good idea of the language's ?avor and style. After reading it, you will be able to read and write Python modules and programs, and you will be ready to learn more about the various Python library modules described in libraryindex. The Glossary is also worth going through. This fast-paced, thorough introduction to programming with Python will have you writing programs, solving problems, and making things that work in no time. Python Tutorial Release 3.7.0 Guido van Rossum and the Python development team

Osteoporosis is a significant social health problem, not only in terms of pain and disability but

also in terms of mortality rate. Osteoporosis affects approximately 200 million people worldwide, with nearly 9 million fractures occurring annually. This book provides an overview of osteoporosis, addressing different aspects of the disease and related conditions. It includes five chapters that cover such topics as glucocorticoid-induced osteoporosis, the relationship between osteoporosis and diet, osteoporosis in the dento-maxillofacial complex, and more. "An achaeological mystery, the story of young American Bruce Brandon, eager to ascertain more about the graves of Egyptian gods, is set against a clearly focused background of the Land of the Pyramids. Bruce is determined to find mummified crocodiles, which he believes were spirited away by reactionary priests during the reign of the ruler Akhenaten, who tried to introduce monotheism into Egypt." --Preface.

In their hunt for Galatea, the Organization's former number 3, Clarice and Miata enter the Holy City of Rabona, but what they encounter there is far beyond anything they could have anticipated. Also included in this volume are bonus stories of Priscilla and Isley's first meeting, and of Clare's training at the Organization. -- VIZ Media

Bite-Size PythonAn Introduction to Python ProgrammingJohn Wiley & Sons Raised with limited peer interaction, Ernestine St Bennett has difficulty interpreting social cues. At twenty-five she's become a loner; a shy nerd immersed in her scientific studies, whose best friend is her pet fish, Waldo. Then Ernestine meets Simon Prime, who's obviously a nerd, too! Sympathizing with his social dysfunction, Ernie decides to help poor Simon increase his self-esteem and thus enhance his social standing. Using principles learned in her fish studies, she'll simply turn Simon from meek to macho.What Ernestine doesn't know (but Waldo suspects) is that Simon Prime is really ex-cop, private investigator Sam Pierce in disguise. A man who definitely doesn't need his masculinity enhanced! Perhaps of all the books in the New Testament, James most squarely focuses on results. His pull-no-punches approach to spiritual maturity, his preference for action over words, makes his text the perfect backdrop for a study of how to grow in our faith. Beloved author and teacher, Warren Wiersbe, leads you through this practical book with advice on how to overcome temptation, controlling the tongue, effective prayer, and how to practice what the Bible teaches. If you're going to make progress in these areas, you will need a growing faith and dependence on Christ because as James claims, "Every good and perfect gift is from above." Now with study questions and updated foreword by Ken Baugh, Be Mature makes the perfect guide through your study of James. Trust Warren Wiersbe's 40+ years of experience to instruct you on important truths from God's Word. Up-to-the-Minute, Complete Guidance for Developing Embedded Solutions with Linux Linux has emerged as today's #1 operating system for embedded products. Christopher Hallinan's Embedded Linux Primer has proven itself as the definitive real-world guide to building efficient, high-value, embedded systems with Linux. Now, Hallinan has thoroughly updated this highly praised book for the newest Linux kernels, capabilities, tools, and hardware support, including advanced multicore processors. Drawing on more than a decade of embedded Linux experience, Hallinan helps you rapidly climb the learning curve, whether you're moving from legacy environments or you're new to embedded programming. Hallinan addresses today's most important development

challenges and demonstrates how to solve the problems you're most likely to encounter. You'll learn how to build a modern, efficient embedded Linux development environment, and then utilize it as productively as possible. Hallinan offers up-to-date guidance on everything from kernel configuration and initialization to bootloaders, device drivers to file systems, and BusyBox utilities to real-time configuration and system analysis. This edition adds entirely new chapters on UDEV, USB, and open source build systems. Tour the typical embedded system and development environment and understand its concepts and components. Understand the Linux kernel and userspace initialization processes. Preview bootloaders, with specific emphasis on U-Boot. Configure the Memory Technology Devices (MTD) subsystem to interface with flash (and other) memory devices. Make the most of BusyBox and latest open source development tools. Learn from expanded and updated coverage of kernel debugging. Build and analyze real-time systems with Linux. Learn to configure device files and driver loading with UDEV. Walk through detailed coverage of the USB subsystem. Introduces the latest open source embedded Linux build systems. Reference appendices include U-Boot and BusyBox commands. Introduce children to the popular Python programming language through relatable examples and fun projects! Python has now surpassed Java as the most commonly used programming language. As the language rises in popularity, this complete guide can teach basic Python concepts to kids with its simple, friendly format. Bite-Size Python: An Introduction to Python Programming provides children with a foundation in the Python language. This unique book shares knowledge through easy-to-understand examples, fast exercises, and fun projects! As children learn, their parents, caregivers, and instructors can also join in their discoveries. Bite-Size Python is ideal for those who are new to programming, giving kids ages 9 and up a beginners' approach to learning one of the most important programming languages. Gives an overview of Python Provides exciting programming projects Offers instruction on how to download and install Python Presents key programming language concepts Simplifies technical definitions With this playful guide to learning Python, readers can try out activities on their computers for a hands-on learning experience. The artwork in Bite-Size Python represents children of various backgrounds, so any child who picks up this book will be empowered to learn and young readers will love showing their projects to friends and family!

Learn how to use microcontrollers without all the frills and math. This book uses a practical approach to show you how to develop embedded systems with 8 bit PIC microcontrollers using the XC8 compiler. It's your complete guide to understanding modern PIC microcontrollers. Are you tired of copying and pasting code into your embedded projects? Do you want to write your own code from scratch for microcontrollers and understand what your code is doing? Do you want to move beyond the Arduino? Then Programming PIC Microcontrollers with XC8 is for you! Written for those who want more than an Arduino, but less than

the more complex microcontrollers on the market, PIC microcontrollers are the next logical step in your journey. You'll also see the advantage that MPLAB X offers by running on Windows, MAC and Linux environments. You don't need to be a command line expert to work with PIC microcontrollers, so you can focus less on setting up your environment and more on your application. What You'll Learn Set up the MPLAB X and XC8 compilers for microcontroller development Use GPIO and PPS Review EUSART and Software UART communications Use the eXtreme Low Power (XLP) options of PIC microcontrollers Explore wireless communications with WiFi and Bluetooth Who This Book Is For Those with some basic electronic device and some electronic equipment and knowledge. This book assumes knowledge of the C programming language and basic knowledge of digital electronics though a basic overview is given for both. A complete newcomer can follow along, but this book is heavy on code, schematics and images and focuses less on the theoretical aspects of using microcontrollers. This book is also targeted to students wanting a practical overview of microcontrollers outside of the classroom.

Japan's greatest seer, the blind prophet Hinoto, has foretold the end of the world. At the center of her prophecy is a young man named Kamui Shiro, who possesses startling psychic powers. Although Kamui's future seems to have been predetermined from his birth, he has a choice--save the earth, or destroy it. Master the techniques needed to build great, efficient embedded devices on Linux About This Book Discover how to build and configure reliable embedded Linux devices This book has been updated to include Linux 4.9 and Yocto Project 2.2 (Morty) This comprehensive guide covers the remote update of devices in the field and power management Who This Book Is For If you are an engineer who wishes to understand and use Linux in embedded devices, this book is for you. It is also for Linux developers and system programmers who are familiar with embedded systems and want to learn and program the best in class devices. It is appropriate for students studying embedded techniques, for developers implementing embedded Linux devices, and engineers supporting existing Linux devices. What You Will Learn Evaluate the Board Support Packages offered by most manufacturers of a system on chip or embedded module Use Buildroot and the Yocto Project to create embedded Linux systems quickly and efficiently Update IoT devices in the field without compromising security Reduce the power budget of devices to make batteries last longer Interact with the hardware without having to write kernel device drivers Debug devices remotely using GDB, and see how to measure the performance of the systems using powerful tools such as perk, ftrace, and valgrind Find out how to configure Linux as a real-time operating system In Detail Embedded Linux runs many of the devices we use every day, from smart TVs to WiFi routers, test equipment to industrial controllers - all of them have Linux at their heart. Linux is a core technology in the implementation of the inter-connected world of the Internet of Things. The comprehensive guide shows you the technologies and techniques required to

build Linux into embedded systems. You will begin by learning about the fundamental elements that underpin all embedded Linux projects: the toolchain, the bootloader, the kernel, and the root filesystem. You'll see how to create each of these elements from scratch, and how to automate the process using Buildroot and the Yocto Project. Moving on, you'll find out how to implement an effective storage strategy for flash memory chips, and how to install updates to the device remotely once it is deployed. You'll also get to know the key aspects of writing code for embedded Linux, such as how to access hardware from applications, the implications of writing multi-threaded code, and techniques to manage memory in an efficient way. The final chapters show you how to debug your code, both in applications and in the Linux kernel, and how to profile the system so that you can look out for performance bottlenecks. By the end of the book, you will have a complete overview of the steps required to create a successful embedded Linux system. Style and approach This book is an easy-to-follow and pragmatic guide with in-depth analysis of the implementation of embedded devices. It follows the life cycle of a project from inception through to completion, at each stage giving both the theory that underlies the topic and practical step-bystep walkthroughs of an example implementation.

These days, Richmond is a city of winter balls and garden parties on soft summer evenings, a city of private clubs where white-haired old gentlemen, with their martinis or mint juleps in hand, still genuflect in front of portraits of Robert E. Lee. But it's also a city of brutal crime scenes and drug corners. It's a city of world-class ad agencies and law firms, a city of the FFV (First Families of Virginia) and a city of immigrants - from India, Vietnam and Africa to Massachusetts, New York and New Jersey.

Offers a collection of true facts about animals, food, science, pop culture, outer space, geography, and weather.

This insider's guide is filled with successful strategies, coping techniques, and helpful ways to increase the day-to-day functioning of adult survivors of Dissociative Identity Disorder in relationships, work, parenting, self-confidence, and self-care. Copyright: d9c70ef124243f57dfdcc5d2591cac59