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including a docker container for seamless example replication you'll overcome the hurdles of using the C standard library in memory constrained settings and get acquainted with the embedded template library `etl` as an alternative the book walks you through essential C concepts before exploring advanced topics such as templates strong typing error handling compile time computation and `raii` through practical examples you'll implement a sequencer write a type safe `hal` and apply patterns like command state and observer to solve common embedded development problems by the end of this book you'll have learned how to apply modern C to develop robust modular firmware with performance matching or exceeding hand coded C solutions what you will learn debunk myths and misconceptions about using C in embedded systems set up build automation tailored for C in constrained environments leverage strong typing to improve type safety apply modern C techniques such as resource acquisition is initialization `raii` use domain specific language `dsl` with a practical example using `boost smt` implement software development best practices including the solid principle in embedded development who this book is for this book is for embedded developers who primarily use C and want to adopt a modern C approach it introduces fundamental C concepts making it suitable for beginners while also assuming basic familiarity to fully leverage advanced features like compile time computation even those with prior C experience will discover new ways to apply modern best practices to write more efficient and maintainable embedded applications

this book is a comprehensive resource on vaccines and immunizations for primary care physicians advanced practice providers and trainees we are now seeing a rise in measles and the potential for rises in other previously rare infectious diseases significantly due to public and physician misconceptions and misinformation about vaccines the text addresses this issue by consolidating historical and current advances in vaccine science from how vaccines are developed to CDC recommendations on how and when to administer them expert authors also address barriers to improving vaccination rates in the U.S. and offer evidence based

recommendations on overcoming those barriers this is an essential guide for primary care physicians family physicians pediatricians internists residents medical students mid level providers and learners for understanding vaccines and improving preventative care for their patients

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