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                      Started; An Introduction to UNIX, Linux, and GNU; Programming Linux;
                      Getting Help; Summary; Chapter 2: Shell Programming; Why Program
                      with a Shell?; A Bit of Philosophy; What Is a Shell?; Pipes and
                      Redirection; The Shell as a Programming Language; Shell Syntax; Going
                      Graphical - The dialog Utility; Putting It All Together
                      SummaryChapter 3: Working with Files; Linux File Structure; System
                      Calls and Device Drivers; Library Functions; Low-Level File Access; The
                      Standard I/O Library; Formatted Input and Output; File and Directory
                      Maintenance; Scanning Directories; Errors; The /proc File System;
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                      Environment; Program Arguments; Environment Variables; Time and

Sommario/riassunto	Beginning Linux Programming, Fourth Edition continues its unique approach to teaching UNIX programming in a simple and structured way on the Linux platform. Through the use of detailed and realistic examples, students learn by doing, and are able to move from being a Linux beginner to creating custom applications in Linux. The book introduces fundamental concepts beginning with the basics of writing Unix programs in C, and including material on basic system calls, file I/O, interprocess communication (for getting programs to work together), and shell programming. Parallel to this, the b