



PANYA TECHNOLOGIES

Technology to Live...

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Shell Initialization

- ✦ User Interfaces
- ✦ Functions of the Shell
- ✦ History of the Shell
- ✦ Which Shell Am I Using?
- ✦ How is My Shell Started?
- ✦ Shell Startup Files
- ✦ Korn Shell Logic
- ✦ Spawning Processes
- ✦ Background Processing
- ✦ The kill and jobs command
- ✦ Suspending Jobs

Shell Variables

- ✦ Standard Files
- ✦ Korn Shell Variables
- ✦ The typeset Command
- ✦ Arrays
- ✦ Built-in Shell Variables
- ✦ Creating Your Own Variables
- ✦ Special Shell Variables
- ✦ More on Arrays
- ✦ Variable Expansions
- ✦ Variable Substitutions
- ✦ Quoting
- ✦ File Name Generation Character

Productivity Aids

- ✦ Command Line Editing
- ✦ Aliases
- ✦ The history Command
- ✦ Functions
- ✦ The set Command
- ✦ The User Environment

Programming The Shell

- ✦ Perspective
- ✦ Creating a Script
- ✦ Sending Arguments to a Script
- ✦ Front Ends
- ✦ Decision Making
- ✦ The if Statement
- ✦ Operators
- ✦ if Variations
- ✦ Loops
- ✦ The for Loop
- ✦ The while Loop
- ✦ The until Loop
- ✦ The read Statement
- ✦ The case Statement
- ✦ break and continue

Miscellaneous

- ✦ Korn Shell Arithmetic
- ✦ here Documents
- ✦ The getopts Command
- ✦ The trap Command
- ✦ File I/O
- ✦ Debugging a Script

Examples Of Scripts

- ✦ A Front End Example
- ✦ Swapping Two Files
- ✦ Count Files in Path Directories
- ✦ Frequency Count of Words in a File
- ✦ Add Values From Field n of a File
- ✦ Prototyping a Large Project

Tables

- ✦ Built-in Shell Variables
- ✦ Built-in Shell Commands
- ✦ Control Flow Constructs
- ✦ Operators
- ✦ Variable Substitution
- ✦ Other Shells
- ✦ Comparison with C and Bourne Shells

- ✦ C Shell Control Flow Constructs
- ✦ Differences Between sh & ksh

Review Of Common Unix Filters

- ✦ grep Command - Find Lines Matching a Pattern
- ✦ wc command - Count Words, Lines
- ✦ sort command - Sort Lines of a File
- ✦ head Command - Show First Few Lines of a File
- ✦ tail command - Show Last Few Lines of a File
- ✦ tr command - Translate Characters
- ✦ cut command - Cut chars or Fields
- ✦ od - Octal Dump a File
- ✦ paste Command - Paste Lines
- ✦ awk command - Data Retrieval Language
- ✦ sed Command - Stream Editor