



C6 - 14, CIDCO Colony, Bldg No. 14, 2nd floor, Before Bhatia School,
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Unix/Linux Shell Scripting with sed and awk

Course Duration : Two Full Days

Course Fee : Rs. 2,800/- (+ Tax)

Course Outline

- Introduction
 - Shells
 - Types of Unix Shells
 - Advantages of Shell Scripts
- Bash Basics
 - Initialization Files
 - Login Shells, Non-Login Shells
 - Aliases, Variables
 - Working with Variables
 - Important Internal Bash Variables
 - Command History
 - Input and Output Channels
 - Redirection to Files
 - The here Operator
 - Feeding Output to Another Process
 - Duplicating the Output with tee
 - Types of Commands
 - Quoting
 - Substitution and Expansion
 - Variable Substitution
 - Filename Expansion(File Globbing)
 - Command & Arithmetic Substitution
 - Command-Line Interpretation
 - Command Separators
- Basic Script Elements 1(Input,Output)
 - Program Flow Charts
 - General Considerations
 - Producing Output From a Script
 - Reading User Input
 - Simple Operation with Variables
 - Basic Strings Operation
 - Arithmetic Operations
 - Regular Expressions
- Basic Script Elements 2(Control Structures)
 - Simple Branching With if
 - Short Form of if
 - Multiple Branch with case
 - Iterations and Loops
 - Looping with while and until
 - Processing a List with for
 - Exiting From a Loops

- Exiting from the Current Loop
- Iteration with continue
- Exiting from the Loop with break
- Advanced Scripting Techniques
 - Reading input with read
 - Shell Functions
 - Reading Options with getopt
 - Signal Handling with trap
 - Implementing Simple Menus with select
 - Dialog Boxes with dialog
 - Yes/No Box(yesno)
 - Message Box(msgbox)
 - Input Box(input box)
 - Text Box(text box)
 - Menu Box(menu)
 - Check List Box(checklist)
 - Radio List Box(radiolist)
 - progress Meter Box(gauge)
- Useful utilities for Shell Scripts
 - cat, cut, date, grep, egrep, sed, test, tr
- Using sed & awk (nawk/gawk)
- Special Variable Substitution Operators for Bash
- Debugging Shell Scripts
- Sample Scripts
- Creating "Production Quality" Scripts
- Customize system-wide shell initialization files

Pre-Requisites : Linux environment familiarity

Advantages of Levana Technologies

- 100% Practical Oriented Workshops
- Comprehensive Course Material Provided
- 1:1 Hardware Provided
- Industry Experienced Faculty
- Value for Money, Choose Modules of Your Choice
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We are conducting Programming Workshops on following also

- Learn Japanese Language
- Linux Essentials
- Linux Internals & Advanced Programming
- Embedded Linux and Device Driver Programming
- J-Tag and Advanced Debugging in Embedded Linux
- Shell Scripting Workshop
- Embedded Qt Programming
- Network Programming on Linux
- ARM, 8051 Programming
- C & C++ Programming

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