



Dear Student,

Based upon your enquiry we are pleased to send you the course curriculum for Shell Scripting

Given below is the brief description for the course you are looking for:

SHELL SCRIPTING ON LINUX

1. INTRODUCTION

- Shells
- Types of Unix Shells
- Advantages of Shell Scripts
- Interpreted vs. programming language
- Shell interpreter

2. Vi Editor

- Basics of vi/vim editor
- Basic commands
- 3 modes
- Command mode
- Insert mode
- Ex command mode
- Creating shell script
- Making shell script executable

3. SHELL PROGRAMMING – AUTOMATING TASKS

- Shell Variables
- Local and global variables
- Reading user input- read command
- Shell within shell- SHLVL
- Local variables made global
- Command substitution
- Expression evaluation

4. OPERATORS

- Arithmetic test operators



- String test operators
- File test command options

5. CONDITIONAL EXECUTION IN SHELL SCRIPTS

- If, if....else
- If, elif
- Case

6. LOOPING

- while, until, for
- break, continue

7. Command line arguments

- Usage of COA
- Parameter Handling
- What is \$0, \$#, \$*, \$@, \$?, \$\$

8. Useful utilities for Shell Scripts

- Standard input & output
- Regular expressions and Patterns- grep
- Tools for sorting- sort, uniq
- tr
- Sed
- Functions- recursion writing

9. Awk – pretty printing

- Basic Structure
- Executing an AWK script
- Which shell to use with AWK?
- Dynamic Variables
- The Essential Syntax of AWK
- Arithmetic Expressions
- Unary arithmetic operators
- The Autoincrement and Autodecrement Operators
- Assignment Operators



- Conditional expressions
- Regular Expressions
- And/Or/Not
- Commands
- AWK Built-in Variables
- Associative arrays

10. TCL/TK

- Introduction
- Data types, variables, assignments and expressions
- Lists, arrays and associative arrays
- Subroutines or Procedures
- Control structures
- File Input and Output
- The world of regular expressions
- More on TCL - trace, eval, exec, info, history, format
- Tk –frame, label , entry, check button, radio button, message box, scales, list box, scroll bar, text, menu, top level
- Tk – binding, packing, grid, canvas
- Tk – window manager commands, input focus, selection, update, grab, tkwait

11. SQL with SHELL

- Package Installation
- Start the Database
- Post Installation
- Connecting to MySQL using a shell script
- Running SQL queries using shell script
- Shutting down the database



Linux™



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