UNIX SHELL Scripting Course Details

By **Besant Technologies**

Course Name	UNIX SHELL Scripting
Category	Scripting Language
Venue	Besant Technologies
Address	No.24, Nagendra Nagar, Velachery Main Road, Velachery, Chennai – 600 042 Landmark – Opposite to Phoenix Market City
Official URL	UNIX SHELL Scripting Training
Demo Classes	At Your Convenience
Training Methodology	10% Theory & 90% Practical
Course Duration	18-20 Hours
Class Availability	Weekdays & Weekends
For Demo Class	Call - +91-996 252 8293 / 94 Email ID – besanttech@gmail.com

Why Besant Technologies?

- Training by highly experienced and certified professionals
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UNIX SHELL Scripting Training Outline

Introduction
- Basics of computer applications
- Unix Course Introductions
- Pre-requisites
- Course Summary

Unix Commands :

Processing & Listing
- Processes and Directories
- Displaying Processes – ps
- Displaying Directories – ls
- Getting Help – man
- Simple Commands used for processing
- Using Wildcards

File Creation and Displaying
- Creating files – using > symbol
- Redirection – using >> symbol
- Redirecting Input – using < symbol
- Displaying Files – cat, more
- Piping – using | symbol
- Word Count
- Sorting a file
- Removing duplicates
- Transliteration
- Using Head and Tail command in files

Files Handling
- Creating directory
- Moving files to directories
- Copying files to directories
- Changing directory
- Removing files and directories
- Special Files – . and ..
- Creating Aliases
- Using Aliases

Cut and Paste
- Displaying selected characters – using cut

- Displaying selected fields – using delimiters
- Displaying selected files – using paste
- Using paste with delimiters

GREP and EGREP

- Displaying content of the file using GREP
- Displaying content of the file using EGREP
- EGREP Meta-character
- Back Referencing concepts
- Using POSIX commands

ZIP & TAR

- Zipping a file
- Unzipping a file
- Combining a set of files using TAR
- Extracting TAR file
- Using TAR with ZIP

FIND command

- Searching for a file – using find
- Finding List of files and directories
- Finding Last modified files
- Find with -exec
- Find with -xargs

Handling Jobs

- Using /dev/null
- Foreground Jobs
- Background Jobs – &
- Stopping Jobs – kill
- Changing Permissions – chmod

Shell Programming

Introduction to Shell

- Basics of Shell
- Set and Unset a variable
- Displaying – using echo
- Using Expr
- Using Test
- Getting input – using read
- Header files of shell script – using Shabang (#!)
- Sample Shell script program

Command Substitution

- Assigning a command to a variable
- Storing output to a variable
- Assigning global value – using Export

Command Line Arguments

- Passing input in runtime.
- Using input inside a program

Conditional & Looping Statement

- Using if statement
- Using if –else statement
- Using Nested if statement
- Using 'While' Loop
- Using 'Until' Loop
- Using 'For' Loop
- Using CASE

Functions

- Creating a function
- Calling a function in file
- Calling a function in another file

Advanced Commands

- SED
- Replacing values in a file
- STTY
- TOP
- Sending an email – using MAIL
- HERE

Editors

- NANO
- PICO
- GEDIT
- Vi Editor
- AWK
- Basics of AWK
- Displaying values – using awk
- Using awk in Shell script

Scheduler

- Scheduling a job – using 'Crontab'
- Scheduling a job – using 'at'

- Scheduling a job – using 'nohup'

Advanced Shell Scripting

- Monitoring a file
- Extracting data from HTML/XML file
- Trapping Signals

Database Connectivity

- Connecting MYSQL to Shell
- Running SQL queries from Shell Script
- Generating a report and storing in a file Shopping cart