

Basic Shell Scripting

1. Shell Basics
 - a. Types of shells
 - b. Shell functionality
 - c. Environment
2. Writing first script
 - a. Writing script & executing basic script
 - b. Debugging script
 - c. Making interactive scripts
 - d. Variables (default variables)
 - e. Mathematical expressions
3. Conditional statements
 - a. If-else-elif
 - b. Test command
 - c. Logical operators-AND,OR,NOT
 - d. Case –esac
4. Loops
 - a. While
 - b. For
 - c. Until
 - d. Break & continue
5. Command line arguments
 - a. Positional parameters
 - b. Set & shift
 - c. IFS
6. Functions & file manipulations
 - a. Processing file line by line
 - b. Functions
7. Regular Expression & Filters
 - a. What is regular expression
 - b. Grep,cut ,sort commands
 - c. Grep patterns
8. SED & AWK
9. Processes
 - a. Concept of process in Unix
 - b. Background processes
 - c. Scheduling processes -At, batch & Cron
10. Misc
 - a. Trapping signals
 - b. String substitutions / manipulations

PreRequisite : Unix Fundamentals course