Bash Scripting Intermediate Training

Curriculum 2 Days

Day - 1

- **Introduction**
  - Introduction
  - Why Shell Scripting?
  - Linux Internal
  - What to Expect From This Course?
  - Prerequisites

- **Git fundamental**
  - Introduction of Git
  - Git setup
  - Basic operations in Git
  - GitHub
  - Summary

- **A First Look At Shell Scripts**
  - Introduction
  - Creating A Shell Script
  - Demo: A Note-Taking Script
  - Calling the Script
  - The Shebang
  - Naming Your Script
  - Demo: The type Command
  - Summary

- **Variables**
  - Introduction
  - Demo: Variables
  - Using Variables in A Script
  - Using Variables: Good Habits
  - Reading Input
  - Debugging your Script
  - Summary

Day - 2

- **If, Then, Else**
  - Introduction
  - Demo: The If Statement
  - The If Statement
  - Return codes
  - The Conditional Expression
  - Demo: The Conditional Expression
  - The Conditional Expression 2
  - Arithmetic Tests
  - Demo: Arithmetic Tests
  - The If Statement Revisited
  - And, or, Not
  - Summary

- **Control Flow**
  - Introduction
  - While and Until
  - The Classic for Statement
  - The C-Style for Statement
  - Break and Continue
  - The Case Statement
  - && and ||

- **Input and Output**
  - Introduction
  - Output: echo and printf
  - Input: read revisited
  - Standard Streams and Redirection
  - Demo: Redirection
  - Summary

- **Variables 2**
  - Introduction
  - Integer Variables
  - Arithmetic Expressions
  - Arithmetic Expressions 2
  - Read-only Variables
  - Exporting Variables
  - Arrays
  - Summary