Chapter 1: Quick Introduction to Linux

- What Is Linux?
- Who created Linux?
- Where can I download Linux?
- How do I Install Linux?
- Linux usage in everyday life
- What is Linux Kernel?
- What is Linux Shell?
- Unix philosophy
- But how do you use the shell?
- What is a Shell Script or shell scripting?
- Why shell scripting?
- Chapter 1 Challenges

Chapter 2: Getting Started With Shell Programming

- The bash shell
- Shell commands
- The role of shells in the Linux environment
- Other standard shells
- Write a simple shell script - "Hello World!"
    - Starting a script with Shebang line (#!)
    - Comments in a script
    - Setting up permissions on a script
    - Execute a script
    - Debug a script
- Chapter 2 Challenges

Chapter 3:The Shell Variables and Environment

- Variables in shell
    - Assign values to shell variables
    - Default shell variables value
    - Rules for Naming variable name
    - Display the value of shell variables
    - Quoting
    - The export statement

Chapter 4: Conditionals Execution (Decision Making)

Chapter 5: Bash Loops

Chapter 6: Shell Redirection

Chapter 7: Pipes and Filters

Chapter 8: Traps

Chapter 9: Functions

Chapter 10: Interactive Scripts

- Turn on or off ScrollLock leds
- Set terminal attributes
- Display KDE / GTK+ GUI dialog
- zenity: Shell Scripting with Gnome
- Shell script create a calendar GUI dialog box
- Shell script create a file selection GUI dialog box
- Shell script to send notification to the Gnome notification area
- Shell script create a list GUI dialog box
- Shell script create an error message GUI dialog box
- Shell script create an information message GUI dialog box
- Shell script create a question message GUI dialog box
- Shell script create a warning message GUI dialog box
- kdialog: Shell scripting with KDE