

Chapter 1: Introduction
You will learn: <ul style="list-style-type: none">• Features of UNIX.• Components of the operating system.• Flow of control.
Chapter 2: Command and Utilities
You will learn: <ul style="list-style-type: none">• Common UNIX commands.• How to perform standard operations on files and directories.• How to run common UNIX utilities.• Writing shell scripts.• Shell arguments and how they are processed by the shell.• Shell environment variables and how to manipulate them.• How to configure the user environment at login time.• How to write shell functions and intercept shell interrupts.
Chapter 3: Files and Directories
You will learn: <ul style="list-style-type: none">• The UNIX filesystem structure.• File and directory permissions.• Directory commands.• File commands.• Redirecting input and output.• Pipelines and filters.• grep utility.• Interaction and job control.

Chapter 4: UNIX Commands

You will learn:

- file command.
- cut command.
- paste command.
- find command.
- grep command.
- sort command.
- cmp command.
- diff command.
- join command.
- pg command.

Chapter 5: vi Text Editor

You will learn:

- Editing a file.
- Moving around in a file.
- Moving around on the screen.
- Making minor corrections.
- Operating on lines.
- Moving, rearranging, and duplicating text.
- Low level character motions.
- High level text objects.
- Shell operations.
- Recovery.
- Character functions.
- Control characters.
- Special characters.
- Digits.
- Upper case characters.
- Lower case characters.

<p>Chapter 6: Execution Environment</p>
<p>You will learn:</p> <ul style="list-style-type: none"> • Execution Environment concept. • Creation of the Execution Environment. • Environment variables. • UNIX shell customization. • Customizing with user login scripts. • Interactive use of the shell.
<p>Chapter 7: Shell Programming</p>
<p>You will learn:</p> <ul style="list-style-type: none"> • Shell commands. • Shell variables. • Shell arguments and quotes. • Shell standard input and output. • Standard device redirection operators. • Command substitution. • Shell positional parameters. • Predefined special shell variables. • Shell conditional tests. • Shell scripts. • Batch processing and UNIX scheduling priorities.
<p>Chapter 8: Bourne Shell Programming</p>
<p>You will learn:</p> <ul style="list-style-type: none"> • Shell Programming purpose and features. • Advanced Shell. • Functions. • Structure considerations. • Source of scanit.

Chapter 9: Korn Shell Programming

You will learn:

- Korn Shell.
- Shell commands.
- Aliases.
- ksh programming.
- ksh and POSIX utilities.
- ksh functions.
- Redirection and pipes.
- Efficient programming practices.

Chapter 10: sed

You will learn:

- Text editing.
- Line-oriented and expression oriented patterns.
- Putting sed programs into files.

Chapter 11: awk Programming

You will learn:

- awk for searching records.
- Operators and variables.
- Creating code and functions.
- Flow of control.