

<b>Chapter 1: Fundamentals</b>
You will learn: <ul style="list-style-type: none"><li>• The command process.</li><li>• Running complex commands.</li><li>• Interactive processing of commands.</li><li>• Using files and directories.</li><li>• Scripting.</li><li>• Working with files.</li><li>• Working with utilities.</li></ul>
<b>Chapter 2: File Commands</b>
You will learn: <ul style="list-style-type: none"><li>• Purpose and function of file commands.</li><li>• Interrelated usage of commands.</li></ul>
<b>Chapter 3: Shell Fundamentals</b>
You will learn: <ul style="list-style-type: none"><li>• How to create a shell program.</li><li>• The different shells.</li><li>• How to use and work with positional parameters.</li><li>• Command substitution.</li></ul>
<b>Chapter 4: Bourne Shell Programming</b>
You will learn: <ul style="list-style-type: none"><li>• The Bourne programming featureset.</li><li>• How to use Bourne statements.</li><li>• How to code a data entry program.</li><li>• Coding a built in test.</li></ul>

<p><b>Chapter 5: Bourne Scripts</b></p> <p>You will learn:</p> <ul style="list-style-type: none"> <li>• Coding scripts.</li> <li>• Use of special variables.</li> <li>• Testing external programs.</li> <li>• Design and layout of Bourne scripts.</li> </ul>
<p><b>Chapter 6: Korn Fundamentals</b></p> <p>You will learn:</p> <ul style="list-style-type: none"> <li>• The advantages of Korn shells.</li> <li>• Korn in an interactive mode.</li> <li>• I/O issues associated with Korn.</li> <li>• Using line editing with vi mode.</li> <li>• Using Korn history options.</li> </ul>
<p><b>Chapter 7: Customizing the Environment</b></p> <p>You will learn:</p> <ul style="list-style-type: none"> <li>• Customizing the Korn environment.</li> <li>• Understanding sub-processes.</li> <li>• Creating aliases.</li> </ul>
<p><b>Chapter 8: Korn Shell: Variables, Functions, and Operators</b></p> <p>You will learn:</p> <ul style="list-style-type: none"> <li>• Coding shell scripts and functions.</li> <li>• Defining and using a function.</li> <li>• Coding with special variables.</li> <li>• Coding string expressions and regular expressions.</li> </ul>
<p><b>Chapter 9: Korn Shell Programming</b></p> <p>You will learn:</p> <ul style="list-style-type: none"> <li>• How to use built-in commands.</li> <li>• String comparisons.</li> <li>• File attributes.</li> <li>• Arrays in Korn shells.</li> </ul>

**Chapter 10: bash**

You will learn:

- Coding and debugging bash scripts.
- Coding bash initialization files.
- Using variables in bash shells.
- Setting and displaying options.

**Chapter 11: awk Programming**

You will learn:

- The purpose and value of using awk.
- Limit the number of records selected.
- Select a subset of columns.
- How to develop program logic.
- Perform arithmetic operations with awk.

**Chapter 12: Perl Programming**

You will learn:

- Structure of a Perl program.
- Scalar datum.
- Handling strings and numbers.
- Scalar variables.
- Operators.
- Arrays and bocks.
- Control structures.
- Modular programming.