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Texting and Driving

In this chapter, we will cover the following recipes:

- ▸ Using regular expressions
- ▸ Searching and mining text inside a file with grep
- ▸ Cutting a file column-wise with cut
- ▸ Using sed to perform text replacement
- ▸ Using awk for advanced text processing
- ▸ Finding frequency of words used in a given file
- ▸ Compressing or decompressing JavaScript
- ▸ Merging multiple files as columns
- ▸ Printing the nth word or column in a file or line
- ▸ Printing text between line numbers or patterns
- ▸ Printing lines in the reverse order
- ▸ Parsing e-mail address and URLs from text
- ▸ Removing a sentence in a file containing a word
- ▸ Replacing a pattern with text in all files in a directory
- ▸ Text slicing and parameter operations

Introduction

The shell scripting language is packed with all the essential problem-solving components for Unix/Linux systems. Text processing is one of the key areas where shell scripting is used, and there are beautiful utilities such as `sed`, `awk`, `grep`, and `cut`, which can be combined to solve problems related to text processing.