

Deleting Lines with Shell Script

In this presentation, we will learn how to write a shell script that deletes all lines containing a specified word. This task is fundamental in manipulating text files. So, let's get started!

```
(window).scrollTop() > header1.css('padding-top', '') { header1.css('padding-top', '' + window.scrollTop() - header1.css('padding-top')) } if (parseInt(header2.css('padding-top', '' + window.scrollTop() - header2.css('padding-top'))) > header2_inital) { header2.css('padding-top', '' + window.scrollTop() - header2.css('padding-top')) }
```



Why Use Shell Scripting?

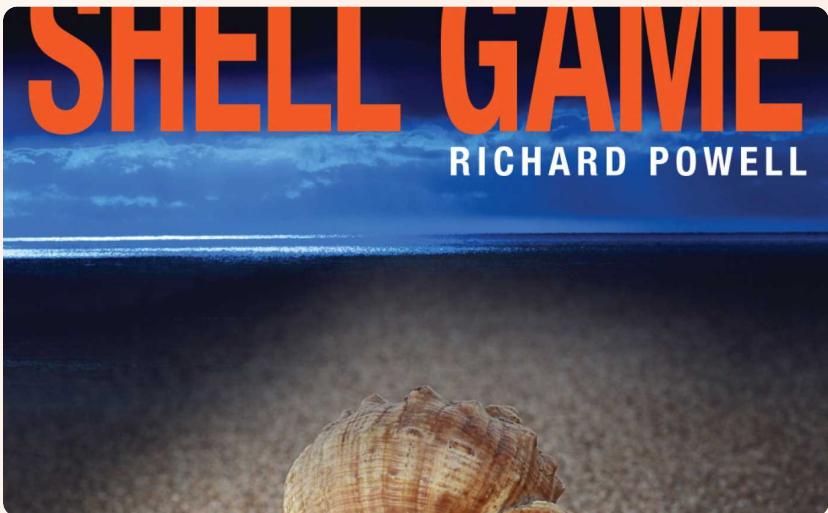


Efficient

Automate repetitive tasks and save time.

Powerful

Access to all the power of the command line with added programming features.



Fun

Code can be played and modified like a game.

Accessible

Shell is pre-installed in almost all modern operating systems.

Overview of the Task

Find target lines

Use grep command to find lines that contain the specified word.

Delete target lines

Use sed command to delete those target lines.

Output result

Display the resulting file with all target lines removed.



Basic Shell Scripting

1

What is a shell script?

A shell script is a program written in shell programming language that executes commands and sequences of commands.

2

Why use shell script for this task?

Shell scripts are lightweight and nimble, making them ideal for text manipulation tasks such as this one.

3

How to write a basic shell script

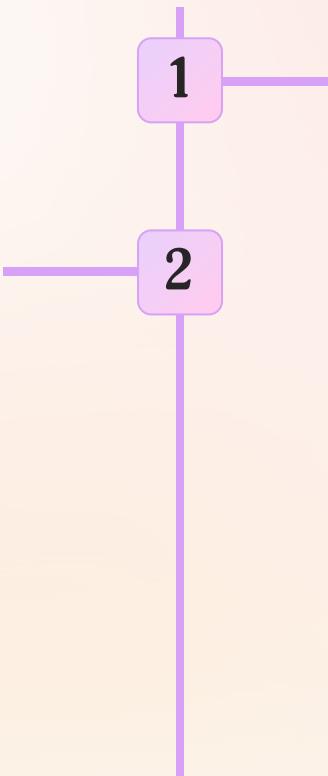
Simply open any text editor, write valid shell commands, and save the file with the .sh file extension.



Using grep and sed commands

Using sed command

Sed command is used to perform text transformations on an input stream. The simplest form is to use sed '/<word>/d' <file>, where <word> is the specified string and <file> is the file name to be modified.



Using grep command

Grep command is used to find lines that contain the specified word. The simplest form is to use grep <word> <file>, where <word> is the desired string and <file> is the file name.

Script Execution and Arguments

Executing the shell script

To execute the shell script, navigate to the directory containing the file and run
./<filename>.sh

Supplying files as arguments

Use the \$@ symbol to accept all the files supplied as arguments to the shell script.

Handling multiple files

Use a for loop to iterate through all the files supplied as arguments and perform the deletion of the target lines in each file.

Conclusion

1

Recap of the main points

By using shell scripts, we can delete all lines containing a specified word in one or more files supplied as arguments. We can accomplish this by using the grep and sed commands.

2

Benefits of using shell script

Shell scripting is efficient, powerful, and accessible. Anyone with basic knowledge of shell commands can write simple shell scripts and automate repetitive tasks efficiently.

3

Q&A session

We hope you've enjoyed learning about deleting lines with shell script. Feel free to ask any questions you might have.



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