Sed Substitute Command

Spoken Tutorial Project
https://spoken-tutorial.org
National Mission on Education through ICT
http://sakshat.ac.in

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09 December 2020

Learning Objectives

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- **Workflow of Sed command**

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- **Sed substitute command**

System Requirements

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- **Ubuntu Linux 18.04 OS**

Pre-requisites

- **Basics of Linux**

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If not, then go through the Linux spoken tutorials on
https://spoken-tutorial.org

Workflow of Sed commands

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- **Read** - Sed reads a line from the input stream

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  - **It can be a file or standard input**

Workflow of Sed commands

- **Read** - **Sed reads a line from the input stream**
  - **It can be a file or standard input**
  - **It is stored in an internal buffer called pattern buffer**

Workflow of Sed commands

- **Execute** - **All Sed commands are executed sequentially on the pattern buffer**

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Workflow of Sed commands

- **Execute** - **All Sed commands are executed sequentially on the pattern buffer**
- **Display** - **Sends the modified content to the output stream**

The pattern buffer will be empty after sending the data

Code files

- **The files used in this tutorial are available in the Code Files link on this tutorial page**

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- Make a copy and then use them while practising

Syntax:
sed [Options] …. [Command][File]

Example:
sed G message.txt

Substitute command

Syntax:

sed 's/oldstring/newstring/' file

sed 's/oldstring/newstring/' file
> output.txt

Summary

In this tutorial we learnt

- **Work flow of Sed command**
- **Introduction to Sed command**
- **Sed substitute command**

Assignment

Try the below commands and see the output

1. sed 's/[0-9.]*/(*)/' message.txt
2. sed '/secrets/s/success/victory/g' message.txt
3. sed 's/-/:/' message.txt

About Spoken Tutorial project

- **Watch the video available at https://spoken-tutorial.org /What_is_a_Spoken_Tutorial**

- **It summarises the Spoken Tutorial project**

- **If you do not have good bandwidth, you can download and watch it**

Spoken Tutorial Workshops

The Spoken Tutorial Project Team

- **Conducts workshops using spoken tutorials**
- **Gives certificates to those who pass an online test**
- **For more details, please write to contact@spoken-tutorial.org**

Answers for THIS Spoken Tutorial

- **Questions in THIS Spoken Tutorial?**

- **Visit
  https://forums.spoken-tutorial.org**

- **Choose the minute and second where you have the question**

- **Explain your question briefly**

- **The Spoken Tutorial project will ensure an answer**

You will have to register to ask questions

Forum for Specific Questions

- The Spoken Tutorial forum is for specific questions on this tutorial
- Please do not post unrelated and general questions on them
- This will help reduce the clutter
- With less clutter, we can use these discussion as instructional material

Acknowledgements

- **Spoken Tutorial project is funded by Ministry of Education (MoE), Govt. of India**

Thanks for joining

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