Overview of Sed

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

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Learning Objectives

Learning Objectives

- **Sed**

Learning Objectives

- **Sed**
- **Features of Sed commands**

Learning Objectives

- Sed
- Features of Sed commands
- Content available in various tutorials under this series

System Requirements

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- **Ubuntu Linux OS 18.04**

Pre-requisites

To follow this tutorial, you should know basics of

Pre-requisites

To follow this tutorial, you should know basics of

- **Linux**

Pre-requisites

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- **Shell scripting**

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

About Sed

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- **It is a simple and powerful text stream editor**

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- **SED stands for Stream EDitor**
- **It is a simple and powerful text stream editor**
- **It is one of the powerful utility offered by Linux/Unix systems**

Features of Sed

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- **Sed commands can edit files even without opening it**

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- It supports regular expression which allows it to perform complex pattern matching

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- Sed commands can edit files even without opening it
- It supports regular expression which allows it to perform complex pattern matching
- Most people use sed for its substitution features

Features of Sed

- **It performs more functions on files like searching, find and replace, insertion or deletion**

Features of Sed

- It performs more functions on files like searching, find and replace, insertion or deletion
- It is capable of solving complex text processing tasks with few lines of code

Features of Sed

- **It prints a selective portion of a text file**

Features of Sed

- It prints a selective portion of a text file
- Using sed we can automate the process of making edits to files

Who can use Sed?

Who can use Sed?

- **Software developer**

Who can use Sed?

- **Software developer**
- **System administrator**

Who can use Sed?

- **Software developer**
- **System administrator**
- **GNU/Linux users**

Sed substitute command

Sed substitute command

- **Workflow of Sed command**

Sed substitute command

- **Workflow of Sed command**
- **Introduction to Sed command**

Sed substitute command

- **Workflow of Sed command**
- **Introduction to Sed command**
- **Sed substitute command**

Sed substitute command

- Workflow of Sed command
- Introduction to Sed command
- Sed substitute command
- Various options with the substitute command

Sed special characters

Sed special characters

- **Print command**

Sed special characters

- **Print command**
- **Special characters**

Sed special characters

- **Print command**
- **Special characters**

Sed special characters

- **Print command**
- **Special characters**
  - **$**

Sed special characters

- **Print command**
- **Special characters**
  - **\$**
  - **^**

Sed special characters

- **Print command**
- **Special characters**
  - **$**
  - **^**
  - **=**

Sed special characters

- **Print command**
- **Special characters**
  - **$**
  - **^**
  - **=**
  - **&**

- **Delete command**

Sed commands with Files

- **Delete command**
- **Write command**

- **Delete command**
- **Write command**
- **Read command**

Sed commands with Files

- **Delete command**
- **Write command**
- **Read command**
- **Append command**

Sed commands with Files

- **Delete command**
- **Write command**
- **Read command**
- **Append command**
- **Insert command**

Sed commands with Files

- **Delete command**
- **Write command**
- **Read command**
- **Append command**
- **Insert command**
- **Change command**

Sed commands with Files

- **Delete command**
- **Write command**
- **Read command**
- **Append command**
- **Insert command**
- **Change command**
- **Execute command**

- **e (execute) command**

More on Sed commands

- **e (execute) command**
- **-f flag, -e flag**

More on Sed commands

- e (execute) command
- -f flag, -e flag
- Transform flag y

More on Sed commands

- e (execute) command
- -f flag, -e flag
- Transform flag y
- Sed substitute command with

More on Sed commands

- e (execute) command
- -f flag, -e flag
- Transform flag y
- Sed substitute command with
  - Escaping character

More on Sed commands

- e (execute) command
- -f flag, -e flag
- Transform flag y
- Sed substitute command with
  - Escaping character
  - Delimiter

Advanced Sed Command

Advanced Sed Command

Here we will learn how sed commands can be used by

Advanced Sed Command

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- **Programmers**

Advanced Sed Command

Here we will learn how sed commands can be used by

- **Programmers**
- **System Administrators**

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

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Thanks for joining

https://spoken-tutorial.org