

Sed Commands with Files

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

- **Delete command**



Learning Objectives

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



Learning Objectives

- Delete command
- Write command
- Read command



Learning Objectives

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



Learning Objectives

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



Learning Objectives

- Delete command
- Write command
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Learning Objectives

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



System Requirements



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- **Ubuntu Linux 18.04 OS**



Pre-requisites



Pre-requisites

- **Basics of Linux**



Pre-requisites

- **Basics of Linux**



Pre-requisites

- **Basics of Linux**

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



Delete Command



Delete Command

- Sed command can be used to remove specific lines which matches a given pattern in the file



Delete Command

- Sed command can be used to remove specific lines which matches a given pattern in the file
- This command removes lines only from the pattern buffer



Delete Command

- Sed command can be used to remove specific lines which matches a given pattern in the file
- This command removes lines only from the pattern buffer
- The original file remains unchanged



Delete Command



Delete Command

Syntax: `sed [range1][range2] d [File]`

- `range1`, `range2` are the starting and ending range



Delete Command

Syntax: sed [range1][range2] d [File]

- range1, range2 are the starting and ending range
- It can be either a line number or pattern strings



Delete Command

Syntax: sed [range1][range2] d [File]

- range1, range2 are the starting and ending range
- It can be either a line number or pattern strings
- d specifies the delete option



Code files



Code files

- The files used in this tutorial are available in the [Code Files](#) link on this tutorial page



Code files

- The files used in this tutorial are available in the [Code Files](#) link on this tutorial page
- Please download and extract them



Code files

- The files used in this tutorial are available in the [Code Files](#) link on this tutorial page
- Please download and extract them
- Make a copy and then use them while practising



Points to note: Delete



Points to note: Delete

- In all the above examples, the sed command does not remove the lines from the source file



Points to note: Delete

- In all the above examples, the sed command does not remove the lines from the source file
- It prints the content of the file on the Linux terminal by removing the lines



Points to note: Delete



Points to note: Delete

- To remove the lines from the source file itself, use **-i** option with sed command

Example: **sed '4d' -i filename**



Points to note: Delete



Points to note: Delete

- Otherwise, you can redirect the output of the sed command to another file

Example: `sed '1d' filename > newfile`



Write Command



Write Command

- **Sed reads a line and places it in a pattern buffer**



Write Command

- Sed reads a line and places it in a pattern buffer
- Then writes the pattern buffer to the given output file according to the given options



Write Command



Write Command

Syntax:

```
sed 'ADDRESS w outputfile' inputfile
```

Example:

```
sed '1,2 w out.txt' in.txt
```



Read Command



Read Command

- Read the content of another file



Read Command

- Read the content of another file
- It appends with each line of the input file as specified in the sed command pattern



Assignment

Try the below commands and see the output:

- `sed '4,6 r new_books.txt' IndianBooks.txt`
- `sed '/The/ r new_books.txt' IndianBooks.txt`



Assignment

Try the below commands and see the output:

- `sed '4,6 r date' IndianBooks.txt`
- `sed '/My/ e date' IndianBooks.txt`



Summary

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



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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Thank You

Thanks for joining
<https://spoken-tutorial.org>

