

sed : The stream editor

Talk to a Teacher

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

Script

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9 April 2013



Learning Objectives



Learning Objectives

- ▶ **sed command**



Learning Objectives

- ▶ **sed command**
- ▶ **Through some examples**



System Requirements



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- ▶ **Ubuntu Linux v. 12.04 OS**



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- ▶ **Ubuntu Linux v. 12.04 OS**
- ▶ **GNU BASH v. 4.2.24**



Prerequisites



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- ▶ **You should know Basics of linux terminal**



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Introduction to sed



Introduction to sed

- ▶ **sed is a stream editor**



Introduction to sed

- ▶ **sed is a stream editor**
- ▶ **sed finds some pattern of text in a particular location of a file**



Introduction to sed

- ▶ sed is a stream editor
- ▶ sed finds some pattern of text in a particular location of a file
- ▶ It performs some display or editing functions



Introduction to sed



Introduction to sed

Editing functions like:



Introduction to sed

Editing functions like:

- ▶ **Insertion**



Introduction to sed

Editing functions like:

- ▶ Insertion
- ▶ **Substitution**



Introduction to sed

Editing functions like:

- ▶ Insertion
- ▶ Substitution
- ▶ **Deletion of matched text**



Line & Context addressing



Line & Context addressing

▶ Line Addressing



Line & Context addressing

- ▶ **Line Addressing**
 - ▶ **Address specified by the line numbers**



Line & Context addressing

- ▶ **Line Addressing**
 - ▶ Address specified by the line numbers
- ▶ **Context Addressing**



Line & Context addressing

- ▶ **Line Addressing**
 - ▶ Address specified by the line numbers
- ▶ **Context Addressing**
 - ▶ Lines that contain particular context say a particular word



Line & Context addressing

- ▶ **Line Addressing**
 - ▶ Address specified by the line numbers
- ▶ **Context Addressing**
 - ▶ Lines that contain particular context say a particular word
 - ▶ **Regular expressions can be used**



Summary

- ▶ sed
- ▶ To print using sed
- ▶ Line Addressing
- ▶ Context Addressing



Assignment

- ▶ Use the same text file `seddemo.txt`
- ▶ Try to print records from 6th to 12th line



About the Spoken Tutorial Project

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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



Acknowledgements

- ▶ **Spoken Tutorial Project is a part of the Talk to a Teacher project**
- ▶ **It is supported by the National Mission on Education through ICT, MHRD, Government of India**
- ▶ **More information on this Mission is available at:**

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