

# Spoken Tutorial Simple Filters with Linux

Talk to a Teacher  
National Mission on Education through ICT  
<http://spoken-tutorial.org>

Script & Narration  
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# Objective & Pre-requisite:

- ▶ We will be learning about several command like.



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- ▶ Head



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- ▶ Tail



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# Objective & Pre-requisite:

- ▶ **#** symbol needs you to be root, (sudo su or su root)
- \$** symbol you can be an ordinary user.





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- ▶ `#` symbol needs you to be root, (sudo su or su root)
- ▶ `$` symbol you can be an ordinary user.
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# Objective & Pre-requisite:

- ▶ **#** symbol needs you to be root, (sudo su or su root)
- ▶ **\$** symbol you can be an ordinary user.
- ▶ I assume that you did a default installation.
- ▶ I am using Ubuntu 10.04 for this tutorial.



# Head Command

- ▶ Head command followed by file name to display first 10 lines of a file by default.



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- ▶ Create a file & type these numbers 1, 2, 22, 2, 4, 6, 7, 8, 99, 10, 11, 12



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# Head Command

- ▶ Head command followed by file name to display first 10 lines of a file by default.
- ▶ Create a file & type these numbers 1, 2, 22, 2, 4, 6, 7, 8, 99, 10, 11, 12
- ▶ Save the file as numbers.txt.



# Head Command

- ▶ Head command followed by file name to display first 10 lines of a file by default.
- ▶ Create a file & type these numbers 1, 2, 22, 2, 4, 6, 7, 8, 99, 10, 11, 12
- ▶ Save the file as numbers.txt.
- ▶ Click on Applications > Accessories > Terminal



# Tail Command

- ▶ Displays last 10 lines of file by default.



# Tail Command

- ▶ Displays last 10 lines of file by default.
- ▶ Most useful Option **-f**





# Common Linux log files names & Usage

/var/log/message: General & system related stuff

/var/log/auth.log: Authentication logs

/var/log/kern.log: Kernel logs

/var/log/cron.log: Crond logs (cron job)

/var/log/maillog: Mail server logs

/var/log/httpd/: Apache access & error logs

/var/log/mysqld.log: MySQL DB server log file



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- ▶ As the name suggest will sort a file in ascending, descending order.



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- ▶ Create a file with the shown contents.



# Sort Command

- ▶ As the name suggest will sort a file in ascending, descending order.
- ▶ It can also pull out unique numbers
- ▶ Create a file with the shown contents.
- ▶ Let us sort based on the second column.

Here **-t** is for delimiter and **-k** is for column.



# CUT

- ▶ Cut is used to cut certain information from a file.



# CUT

- ▶ Cut is used to cut certain information from a file.
- ▶ Let us pull out the names from marks.txt



# Paste

- ▶ Paste will merge lines of a files.





# Paste

- ▶ Paste will merge lines of a files.
- ▶ Redirect it to a new file.



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# Paste

- ▶ Paste will merge lines of a files.
- ▶ Redirect it to a new file.
- ▶ Print numbers serially.



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# Acknowledgement

- ▶ Spoken Tutorial Project is a part of Talk to a Teacher Project
- ▶ Supported by the National Mission on Education through ICT, MHRD, Government of India.
- ▶ More information:  
<http://spoken-tutorial.org/NMEICT-Intro>



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