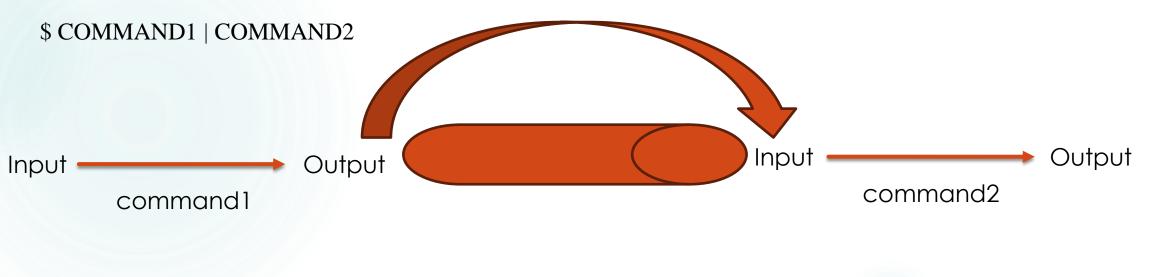
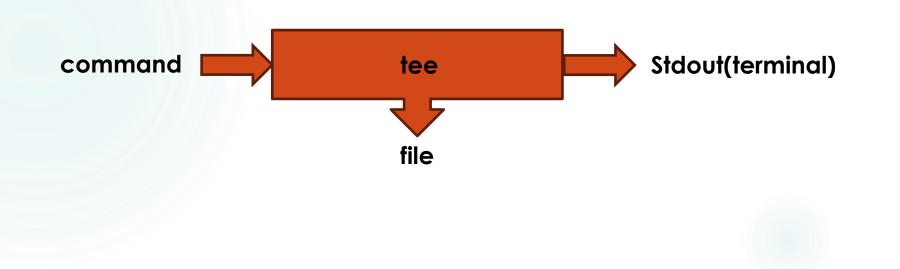
Piping in Linux

- The "pipe" is a feature of the command line shell that allows you to connect the output of one command to the input of another command.
- > The linux *pipe* is represented by a vertical bar
- * | *
- > SYNTAX:



Tee command

- It allows you to read standard input and write it to both standard output(terminal) and one or more files.
- > SYNTAX:
- \$ COMMAND | tee [OPTION]... [FILE]...



Head command

It print the first lines of a text file or stream. By default, it prints the first 10 lines of a file, but you can also specify a different number of lines to display using the -n option.

> SYNTAX:

\$ head [OPTIONS] [FILENAME]

- ➤ To display maximum 10 lines of the file
- ➤ To to display first 15 lines of the file
- ➤ To display first 10 lines of more then one file
- ➤ To display first 7 line from both files
- ➤ To display first 1000 lines of file.
- ➤ To display first 1 MB from file.

tail command

- > It print the last lines of a text file or stream.
- By default, it prints the last 10 lines of a file, but you can also specify a different number of lines to display using the -n option.
- > SYNTAX:
- \$ tail [OPTIONS] [FILENAME]

- > To display last 10 lines of the file
- ➢ To display last 20 lines of file
- > To display last 10 lines from file and get real time output as file written

more command

- more command allows you to view the contents of a text file one page at a time.
- The text is displayed on the screen one page at a time, and you can use the space bar to move forward one page or the enter key to move forward one line at a time
- > SYNTAX:
- \$ more [OPTIONS] [FILENAME]

- > To read file page by page
- > To start reading file from particular line number
- To piping the output to more. If ls is going to print lots of text at once we can pipe it output to more command.

less command

- > less command allows you to view the contents of a text file one page at a time.
- > The text is displayed on the screen one page at a time.
- > Less command provides additional features and greater functionality than the more command.
- > SYNTAX:

\$ less [OPTIONS] [FILENAME]

- > To read file page by page
- \succ To view multiple files at once
- > To display the line number along with output
- > To pipe the output of other command to *less*

cut command

- > It allows you to extract specific columns or fields from a text file or stream.
- It can be used to select specific characters, bytes, or fields from each line of a file or input stream, based on a delimiter.
- > SYNTAX:

\$ cut [OPTIONS] [FILENAME]

- > To display 4th character of each line
- > To display 1st to 4th character of each line
- > To display from the 4th character to end of line.
- > To split the line based on delimiter and display specific filed.
- \succ To split the line based on delimiter and display more then one fileds like 1,2 and 6.

sort command

- \succ It is used to sort the contents of a file or the output of another command.
- The sort command can be used to sort text files, log files, CSV files, and other types of data files
- > By default, the sort command sorts the lines in alphabetical order
- > Syntax :

\$ sort [OPTIONS] [FILENAME]

- > To sort the file in alphabetical order
- ➤ To sort the file and save results in new file.
- ➤ To sort in reverse order
- > To check if file contents is in sorting order. It will return line number of unsorted text



Input Output redirection

- Input/output redirection is a way to redirect the input or output of a command or program to a file or device other than the default.
- This can be useful for saving output to a file, reading input from a file, or redirecting output to a different program or device.

Name	Symbol
Input redirection	<
Output redirection	>
Append	>>