

AINUX

— TASTE OF LINUX —

WELCOME TO THE WORLD OF
LINUX

DAY - 7

I/O PIPE REDIRECTION

A Process uses numbered channels called “file descriptions” to get input and sends output.

All the process will have at least three file description to start with.

Number	Channel Name	Description	Default Connection	Usage
0	STDIN	Standard Input	Keyboard	Read Only
1	STDOUT	Standard Output	Terminal	Write Only
2	STDERR	Standard Error	Terminal	Write Only

Standard Input (Channel 0) reads input from the keyboard.

Standard Output (Channel 1) sends normal output to the terminal.

Standard Error (Channel 2) sends error messages to the terminal.

STDIN Examples

“<” = redirect input in a file

cat < “file-name”

mail -s “Subject” “username” < “file-name”

cat > “file-name” <<“end with some character or word”

I/O PIPE REDIRECTION

STDOUT Examples

">" = redirect output to overwrite a file.

">>" = redirect output to append a existing file.

```
# ll > "file-name"
```

```
# df -hT >> "file-name"
```

STDERR Examples

"2>" = redirect output to overwrite a file.

"2>> |" = redirect output to append a existing file.

```
# ll /etcw 2> | "file-name"
```

Working with VIM text editor

Text Editor

In Linux mainly 4 types of text editor are there. Like nano, vi, vim, gedit
But in terminal “vim” is most commonly is used.

Syntax:

vim “file-name”

Functions:

i	= insurt
w	= write
q	= quite
:	= is used to input the functions
!	= Force
“Shift + a”	= end of the line.
“esc”	= is used for normal mode
o	= is used for next line
k	= is used to go back previous line.
yy	= is used to copy a line in normal mode

Working with VIM text editor

Functions:

p	= is used for paste.
u	= is used to undo from normal mode
x	= is used to delete the character for normal mode
:/word	= to search the word.
:%s/old-word/new-word/g	= is used for search and replace.
n	= next
N	= Previous

Search your words by ignore case-sensitive, type this:-

```
:set ignorecase
```

```
:%s/old-word/new-word/g
```

Switch back to a case-sensitive, type this:

```
: set noignorecase
```

The top of the image features a decorative header with a black background and a wavy, colorful gradient in shades of orange, red, and yellow. The AINUX logo is centered below this header.

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THANK YOU