Basic commands part-3

→ In recording they lost the Instant and created new one.

- we will continue with our old Instance.

-) for our safely, dear everything on our Insland.

Pully=

[toot@10-172-31-84-166 ~] # touch files

[toot@ip-172-31-84-166 m]# eal > files

hello

World

welcome

to linux

class

[root@ip-172-31-84-166 ~]# cat files

helo

WOHLD

welcome

to

linux

dass

[root@ip-172-31-84-14 ~] # NI 861

1 hello

2 world

3 welcome

4 to

5 linux

6 class

[:: CTRL + D - exit] 02

[: CIRL + Z = exit]

[ne = number line]

[101010-172-31-84-16 ~] # grop & 1601	[: grep to South
hello	words]
world	
welcome	
Chux	
< Cass	
Frotoip. 171-31-84-166 ~ J# Lowh 8602	
Troute 12-31-84-116 JA cal > 562	
helio	
world	
60	
//flux	
(1555555	
[racl@ip-170-31-84-166 ~] # diff 5661 6/02	
342	[diff - to show the difference
< welcome	between two files]
605	
< c/ass	

[: uniq - temoves consciouative

duplicates]

> </355555

SRH SRH SRH SRH

SRH

[wel@ip-172-31-84-166 ~]# touch 563

[root@ip-172-31-84-166 ~]# (AL > file)

[not@ip-172-31-84-166 ~]# unig 5663

[100+@ip-172-31-84-166 ~]#

Filter commands in linux:

1. Head and Tail.

2. more and less.

3. sort.

4. (ut.

5. Sed

6- awk.

7. find.

[ravt@ip-172-31-84-166 ~]# touch headfild1

[root@ip-172-31-84-166 ~]# <al > heads62

one

two theo

;

fourteen fifteen

[root@ip-172-31-84-16 ~]# head headfiles

[.. By default "head" displays the

first to lines of file]

one

ten

[rout@ip-172-31-84-166 ~]# head -5 headsib1

one

two three

four

five

[root@ip-172-31-84-166 ~]# touch tailsi61

Past 10 lines of the AG] forteen FIFKON [toot@ip-172-31-84-166 ~]# £ail -5 tailfiles **eleva** twelve thirteen foulteen fiften [Tout@ip-172-31-84-166 ~]# touch movesib1 [tool@ip-172-31-84-166 ~]# cat > moresib1 one fif4 [tot@ip-172-31-84-166 ~]# MOR MORESTO1 one twenty-six MOLE END 1. [: Navigating through mole: * piers spacebar - Mones to next scheen (shows lines 11 to 20). * Press Enta - scholls one line at a time. * Press b - Goes back one scien conly works if your terminal allows backward scoll). * Press q - quits the more command.

[: By default, "lair" displays the

[wt@ip-172-31-84-166 ~]# cal > tailfiles

[root@ip-172-31-84-166 ~]# Lail tailfiles

one

fiften

Six

seen

[root@ip-172-31-84-166 ~]# less movesses

Oho

tuenty-six

less:

: Pless spacebar -> Hover to Mext schem.

Pless b - Hover back to pravious screen.

search for a word:

Type Isix -> Plas Enter.

The viewer jumps to the first occurance of "six".

Pless n -> Jump to the next onurence of "six"

Press q - Exit the "less" command.]

-> before going next delete all files and directions

[: NOW what we gonth see is soil]

Sort:

sort (used to order the value) - alphabetically.

Descriptions

-r = sorts dala in reverse order (descending).

-n = sorts a file numerically (interprets data as numbers)

-nr = sorts a file with numeric data in reverse order. combiner -n and -r -c = checks if the file is already sorted and reports any disorder. = sorts and removes duplicate lines, providing a unique sorted list.

-M = solls by month names.

Foot@10-172-31-84-166 ~]# touch data-txt

-root@i9-172-31-84-166 ~]# cat > dala.tx1 banana apple 91200

otange Kiwi

[root@ip-172-31-84-166 ~]# Sort data.txt

apple banana

grape kiwi orange

[100t@ip-172-31-84-166 ~]# 50t -+ data. txt Orange

Kiwi grape

banana apple

[sorts in alphabetical order]

[: soits in reverse alphabetical

Order]

[root@ie-172-31-84-166 ~]# touch numbas.txt [root@ip-172-31-84-166 ~]# =At > numbers.txt 10 2 30 1

20 [rant@ip-172-31-84-166 ~]# Solt -n numbers. txt 1

2 10 20 30

[root@ip-172-31-84-161 ~]# SOIL -HY numbas.tx 30 20 10

1

[rat@ir-172-31-84-166 ~]# touch dup.txt

apple Banana apple

kiwi banana

[root@ip-172-31-84-166 ~]# Solt -4 dup. txt apple

Kiwi

banana

numerical order]

[.. "-n" option ensules nu

are sorted in numero

(not based on text order

[:, sorts numbers in descending

[: "- " option temores duplicate

lines and sorts the output]

[xw1@i1-172-31-84-166 ~]# touch months.txt [tw1@ip-172-31-84-166 ~]# cat months, tx6 Harch January February Damba [:- "-H" option sorts months in [rateip-172-31-84-166 ~]# Soit -H months. txt calendar order, not alphabetical Januar orda] FOBI LAY Harch Daamba [tat@ip-172-31-84-166 ~]# touch soited txt apple banana grape kiwi orange [toot@ip-172-31-84-166 ~]# 50+t -c 501ted.txt [: No output] -> Since the sile is already in alphabetical order, "soll-c" does Not between anything. -) This means the file is solted.

[root@ip-172-31-84-166 ~]# touch unsoiled.txt

[novt@ip-172-31-84-166 ~]# CAt > unsorted.txt

banana apple

grape

kiwi

orango

[root@ip-172-31-84-111 ~]# 501t -c Unsorted. Ext

Solt: Unsolted. txt: 2: disorder: Apple

[Naw we gontha see "rul"]

[hout @19-172-31-84-166 ~]# touch cute

[root@ip-172-31-84-166 ~]# cat > cute

the cut command in linux ltype this) -: [CTRL + D - exit]

[root@ip-172-31-84-166 ~]# cat cute

the rut command in linux [root@ip-172-31-84-166 ~]# cut -c 1 rute

t

[root@ip-172-31-84-166 ~]# eut -c 1.3 cute te

[rout@ip-172-31-84-166 ~]# cut -c 1,5 cute tc

[: space is also considered]

[: The avor message points to

[- "apple" comes after "banana" in the

file, which violates alphabetical order

Starts]

line 2, where the sorting issue

t

[hoot@ip-172-31-84-166 ~]# cut -d " " -f 1 cute

the

[rwt@ip-172-31-84-166 ~]# cut -c 1.4 cute

[root@ip-171-31-84-166 ~]# cut -d " " -f 3 (ute command

[root@ip-171-31-84-166 ~]# cut -d "" -f 4 rote
in

[mot@ip-172-31-84-166 ~]# cat >> rute

list *of * had * numba

[hoot@ip-172-31-84-166 ~]# cat cote

the cut command in linux
list* of * field * numba

[root@ip-172-31-84-166 N]# eut -d " " -f 1 cute
the

the
list*of*field*numba

[root @ip-172-31-84-166 ~]# cut -d "*" -f 1 cute

the cut command in lines

the out command in linux

Tract@iP-172-31-94-166 ~]# cut -d "*" -f 3 cute
the cut command in linux
field

[root@ip-172-31-84-166 ~]# cut -b 1,4 cute

t
11t

[:. "rut -c" and "rut -b" are almost same] Frost@ip-172-31-84-161 ~]# eat cute the cut command in linux

list * of * field + numba

Front@ip-172-31-84-166 ~] # cut -6 1-10 cute the rut co list+ of+ &

[: can also give in

large like this "1-10.

[two toip-172-31-84-166 ~]# cut -c 1-10 cute the cut co list * of + fi

[toot@ip-172-31-84-166 ~]#

[Now we gonna see "awk" commands] -) used to print the things

-> pattan searching and processing

[root@ip-172-31-84-166 ~]# texch linux

[rot@ip-172-31-84-166 ~]# cat >> /inux

vital khuli tohit sharma

mahandra singh dhoni

hardic pandiya

[root@ip-172-31-84-166 ~]# Awk `&print]' linux

vitat kholi

Subham ghill

tohit sharma

mahondra singh dhoni

hardic pandiya subham ghill

Darlor 12 31 94 Hil Jr Juk Jr Frim 117 lines vilal Lahit maliendi? haidis Subham Frant @17-12-31-86-166 - JH Awk & Print \$ 3 1 linux kholi sharma Singh Pandiya 9hill MONEYP-172-31-84-166 NJH AWK FAMIL \$13' MINX > NEW. EXE Thut@19-172-31-84-166 ~74 15 finux nav.txt Frant@ip-172-31-84-161 ~]# cat new.tx+ vilat rohit makandia hardic Subham [int oip-172-31-84-166 ~]# Auk "NR == 1 Epint \$13' linux [: NR - For NOW] vilat [root@if-172-31-84-166 ~]# AWK 'NR == 1 { Print}' linux vitat Kholi [hat@ip-172-31-84-166 ~]# Awk 'NR== 2 {Print}' linux Whit Shaima

Explanation:

SED - Stram Editor

-i - in place editing

Stone Thopelg'

5. subtitute tat

one - pattern to seauch for

hope - replacement text

9 - "global", so every occurrence of "one" in a line is replaced.

with "hope". If we omit "9", only the first occurre in

each line will be replaced.

[root@ip-172-31-84-166 ~]# Louch example. txt

Irost@ip-172-31-84-166 ~ # cat > example-txt

one apple one orange

one banana

Froot@ip-172-31-84-166 ~]# sed # "S/one/hope/9" example-txt- [: Now it only displays to the paper with changed text hope orange as "hope" but it hope banana wont affect the original set

[Iwt@ir-172-31-84-166 ~]# cat example.tx+

one banana

[Tool@ip-172-31-84-166 ~]# sed -i 's/one/hope/9' example. ext

hope apple

hope barrana

[: Now as we included "-i"

it will change the text

in original 566 also]

hope orange

[10101019-172-31-84-166 v]# cat example.txt

hope apple
hope banana
hope orange

<u>rad:</u>

[root@ip-172-31-84-166 ~]# Mkdir example_dir [root@ip-172-31-84-166 ~]# ed example_dir

[tout@i1-172-31-84-166 example_dir]# mkdir Sub_dir

[root@ip-172-31-84-166 example_dir]# 15

[rost@ip-172-31-84-166 example_dir]# touch sib.txt.
[rost@ip-172-31-84-166 example_dir]# -at > sib.txt

[iast@ip-172-31-84-Kb @nampb_dir]# zd Sub_dir

[root@ip-172-31-84-111 sub-dir]# touch sib. ext

[FOOT@IP-172-31-84-166 SUB-AM]# cat > fib.txt

Froot@19-172 - 31-84-166 Sub-dit]# cd	
[tate 19-172-31-84-166 "]# filld Mame " 56. tx1"	[: find fibr by "hame]
· lexample_dir/sub_dir/sb.txt	· · · · · · · · · · · · · · · · · · ·
· lexample - dr / slb. tx1.	
[root@ip-172-31-84-166 ~]# findname "*.txt"	(: And all Abs of spaint type
· / example-div/ sub-div/ slb. txt	
·lexample-divisib.txl	
[rat@ip-172-31-84-166 ~]# ed example.dir	
[rateip-172-31-84-161 example-dir]# findtype d	[: d=directoy]
· 1506-dr	(to sind all directories)
[ravt@ip-172-31-84-166 example-dir]# 1718, - 4po f	(:. f= 86]
· 15ub-dir 156.txt	[: to find an stes]
·/66.tx+	
[Taxt@ip-172-31-84-16 example_dir] It Fild type f - name " tx	" [= combine criteria]
·/sub-dir/fib.txt	C: search all siles with
./510.tx1	". txt" extension]
[root@ip-172-31-84-166 example Arr]# cat fib.txt	
Helis	
[Tout@iP-171-31-84-166 GRAMPHO_dir]# ed SUB_dir	
[root@ip-12-31-84-166 Sub-dir]# CAt fib.txt	
world	
[100+@ip-172-31-84-166 Sub din Jtt cd	
[100+@ip-172-31-84-166 ~]# Find 11ama "text" - exec cat	· { } \;

world Halo find . - name "*. +xt" -exec cat Est 1;

1.5118 . :

This tells the "sind" command to search in the current directory (.)

and its Subdirectories.

2. - hame "+.txt":

find all files with "txt" extension.

3. exa:

This option tells "find" to exerute a command on each file that makines the Chileria.

4. <u>(at</u>:

-> This is the command to be exauted on each matching of be.

-> "Cat" reads the content of a file and prints it to the termina!

5 11:

-> This is a placeholda. It is replaced by the full path of each sib that "sind" discover

-> For example, if "find" finds "./661.txt", "{}" will be leptood by "./661.txt" when exauting "at" commant.

6. 1

-> This marks the end of the "-exe" command

The backslash (1) escapes the semicolon (3) so that the shall does not interpret it as a command terminator but passes it to "find".

[: Filter commands over]