

Week2 – Day2 - LINUX

Some imp. Linux commands -

rmdir – remove empty directories

rmdir -p foldername

rm -rf -> for non-empty directories

mv -> cut paste

uname -displays information about the system's operating system, kernel, and hardware

cat -> print content in file

ps aux -> what is running, how much mem is taking

using '\$'

name='Meenakshi'

echo "Hello, \$name!"

whoami – print current user

sort filename -> alphabetical order

sort -r filename -> in reverse order

sort -n filename -> to sort numbers

sudo apt install ncal -> to install calender

ncal -> to view calender

plocate -> to locate files recursively, very fast

whereis -> used to find the location of the source, binary, and manual sections of a command

wc -> word counting

options:

-c

-l

-w

grep -> to search for a pattern in a file

history | grep git -> result of one command can also be taken as input for another command

find -name "*.txt" -> to find all .txt files

find . -type d

find . -name "*.tmp" -exec rm {} \; -> find and remove all tmp files.

top – real time view for all processes

du -sh * - display the total size of each file and directory in the current directory in a human-readable format.

du -sh . - displays the total disk usage of the current directory, including all its subdirectories and files.

tar -zvf etc12.tar.gz - Zipping using tar

- **-Z** → Compresses the archive using **gzip**.
- **-v** → **Verbose mode**, shows the files being processed.
- **-f etc12.tar.gz** → Specifies the **filename** of the archive (etc12.tar.gz).

alias c="clear" - Creating alias for command using linux

ip a -> ipv4, ipv6 address

echo \$SHELL -> to check which shell you are running on.
Bash is by default used.

SHELL SCRIPTING

vi code.sh

Inside file -

var_1="jinesh"

readonly var_2

var_2="ranawat"

var_2="ranawatjinesh"

echo "\$var_1 \$var_2"

./code.sh -> to run

Shell---

var_name="hitesh"

var_age=23

echo " Name is \$var_name and age is \$var_age"

var_blood_group ="0-"

```
readonly var_blood_group
echo "Blood group is $var_blood_group"
echo "Error modifying readonly variable please don't modify it "
echo var_blood_group="b+"
echo
unset var_age
echo "Age is after unsetting $var_age"
```

```
---vi
time=$(date +%H)
echo $time
if [ $time -lt 12 ];then
message="Good morning user"
elif [ $time -lt 18 ];then
message="Good afternoon user"
else
message="Good evening user"
fi
echo "$message $time"
```

awk – print data (column based), pattern matching

```
data.txt--
jinesh 25 Enginner
adhdk 32 afiajds
iwqojdiowqjd 23 jasdasojdiaj
```

```
awk '{print $1}' data.txt
awk '{print "name" $1, "profession " $3}' data.txt
awk '{print "name" $1, "profession " $3}' data.txt
awk '{print "AWS name " $1, "AWS profession " $3}' data.txt
```

```
awk '/Enginner/' data.txt
awk '/Enginner/ {print $1}' data.txt
awk '$2 > 25 {print $1, "is older than 25}" data.txt
awk '$2 > 25 {print $1, "is older than 25}" data.txt
```