In shell script, practice to write metadata - Always good script to know more about shell about shell script. For example, ######## # Author; saurabh # Date: 11/0/12024 # this scripts outputs the node health # version: VI ####### -> To set the script in debug mode means before run any command print the command which run. For example, set -x } de to set debug mode. df-h free -m 2050C Soutput will be stop trong long as you & command output hite said this = { command output + nproc = } command output.

Juse the set-x parameter to set the script in debug mode. Use echo statements, in combination with set-x to print the command being executed and its output.

- >PS eF
- -> To know about all processing which is running with some information like process id, etc.
- amazon processes then,
 - > ps -ef | grep "amazon"
 Where,
 - Ol (Pipe) This symbol is used to redirect the output of the "ps-ef" command and pass it as input to "gree" command.
 - 2 grep This command is used to search for lines containing the specificied pattern and keyword.

In above commands, it filters the output of "Ps-ef" command to only display lines that include the word "amazon".

> date | echo "date is"

output: - date is

why it not print date ?

So, date is system default command.

And this command sends the output to SIDIN but pipe will not be able to receive the information from STDIN.

Exit the script when there is an error.

-> set -o pipefail

when it is used, the failure of any command ! in the pipeline causes the entire pipeline to fail.

for example,

Asdfahj lecho Ps-ef La Crightmost)

free-m

The "set-o.pipefail" option changes the behavior of pipelines by making the entire pipeline fail if any command in the pipeline fails. Without "set-o pipefail, the exit status of the pipeline is the exit status of the rightmost command:

- > Ps -ef I greep amazon I awk -f" "Sprint \$2)"

 It simply print the second column using awk command with the help of "-F" option which is use for field separator.
- The grep command is used to search for specific pattern.

The awk command is used to manipulate and extract data. It is used to filter out specific columns.

- when application fails, the first thing to do is to look into the log file.

 Log files roften stored in external storage devices and the cwell command is used to
 - retrieve the information from the internet.
- > The curl command is an alternative to postman or the request module in python for making All requests.

-) The wget command downloads information to a file, while the curl command directly display the output. The root user is very powerful user and should only be used when necessary. dud to switche to the goot user, no isnil al offeet pipe (1) we have stight into obus (2) sudo gives the user privileges to run commands on behalf of the root user. not rexecute scart. The find command is used to locate files on a system when exact location is unkhown. > find / - name Efilename] To find files in system. > if-else syntax: if [condition]; Ehen else fi For 100ps for 1 in 51.5}

done

>> The trap command is used to trap signals in linux.

signals are action performed using the Keyboard or commands.

common signals include the kill command and ctaltc

the trap command is used to avoid unintended halts in script execution cause by signals,

FIGINT signal is commonly trapped with trap command and used to prevent chiltchalting script execution.