* How do you display the first 10 lines of a file using the command line?

head -10 historycommands.txt

* How do you display the last 5 lines of a file using the command line?

tail -5 historycommands.txt

* How do you sort the contents of a file in ascending order using the command line?

sort sample.txt

* How do you count the number of occurrences of a specific word in a file using the command line?

grep 8 sample.txt | wc -l

* How do you find and replace a specific word in a file using the command line?

sed -i 's/8/2/g' sample.txt

* How do you display the size of a file in human-readable format using the command line?

ls -lhs historycommands.txt

32K -rw-rw-r--. 1 ec2-user ec2-user 29K Apr 2 15:09 historycommands.txt

* How do you display the current date and time in a specific format using the command line?

date +"%Y-%m-%d %H-%M-%S "

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* How do you find the process ID (PID) of a running process using the command line?

ps aux

aux stand denotes to all process ,user –oriented format and include processes without a controlling terminal

ps aux | grep sshd

* How do you kill a process using its process ID (PID) using the command line?

kill -9 PID

* How do you create a compressed tar archive of a directory and exclude specific files from it using the command line?

tar -czvf my\_archive.tar.gz --exclude='testfile.txt' dir1

* How do you set an environment variable in Linux using the command line?

export variable1='Arun'

* How do you list all installed packages on a Debian-based Linux distribution using the command line?

dpkg -l packagae\_name

* How do you change the permissions of a file to read-only for the owner and group using the command line?

Chmod 444 sampletest.txt

* How do you find all files with a specific extension in a directory and its subdirectories using the command line?

find . -type f -name "\*.txt"

./testfile.txt

./n.txt

./historycommands.txt

./sample.txt

find . -type f -name "\*.text"

./a.text

* How do you create a backup of a file with a timestamp in its filename using the command line?

cp a.text "$(date +'%Y-%m-%d\_%H-%M-%S')\_backUpFile\_text"

* How do you search for a specific string in all files within a directory and its subdirectories using the command line?

find . -type f -exec grep -H "kafka-console-consumer" {} +

* How do you display the current network configuration (IP address, subnet mask, etc.) using the command line?

ip addr show

* How do you create a new user with a specific home directory and set their password using the command line?

sudo useradd –m –d / home/ec2-user/UKUSMar/Arun Arun

sudo passwd Arun

sudo passwd Arun

* How do you display the available disk space on your system using the command line?

df -h

Filesystem Size Used Avail Use% Mounted on

devtmpfs 16G 0 16G 0% /dev

tmpfs 16G 16K 16G 1% /dev/shm

tmpfs 16G 1.7G 14G 11% /run

tmpfs 16G 0 16G 0% /sys/fs/cgroup

/dev/xvda2 300G 153G 148G 51% /

cm\_processes 16G 34M 16G 1% /run/cloudera-scm-agent/process

tmpfs 3.2G 0 3.2G 0% /run/user/1000

* How do you schedule a command or script to run at a specific time using the cron system?

30 4 \* \* \* filename.sh 🡪 it will run every day 4.30 am