To open a file in VIM editor if it exit otherwise it will create new file:- vi newfile

To insert Press Esc i

To save Press Esc :- wq

To insert some text:- Press Esc i

If you don’t want to save:- press esc q!

To create new user:- adduser john  
To check for the available users:- cat /etc/group

To change password for the user:- passwd john  
visudo

service sshd restart

wget url

ln -s file name

tar -zxvf maven.tar.gz :- Untar the file

wget <https://dlcdn.apache.org/maven/maven-3/3.8.5/binaries/apache-maven-3.8.5-bin.tar.gz>  
 ls  
 ln -s apache-maven-3.8.5-bin.tar.gz maven.tar.gz  
 ls  
  
tar -zxvf maven.tar.gz

Symbolic Link

1. To install a package in linux
2. Create symbolic link to execute a command with short name

touch testfile.txt  
ln -s testfile.txt linkfile.txt  
ls  
ls -l linkfile.txt  
rm linkfile.txt  
unlink linkfile.txt  
ls

adduser jerry:- To add a user  
groupadd Jenkins:- To add a group  
usermod -G jenkins jerry This command is used for adding a used to a group  
cat /etc/group  
groupadd docker  
usermod -G jenkins,docker jerry :- This command is used for adding a user to a group  
cat /etc/group:- To check the available user and group)  
gpasswd -d jerry docker:- This command id used to remove a user form a group

75  mkdir tomcat  
   76  ls -la  
   77  adduser tomcat  
   78  groupadd tomcat  
   79  chown tomcat:tomcat tomcat

man groupadd (help)

man adduser (help)

usermod -aG wheel tomcat:- To add a user to root group

cat /etc/group

To find a file:- find . -name test.txt

To find a file case insensitive:- find . -name test.txt

find . -name test  
   92  find . -iname Test  
   93  find . -iname ".txt"  
   94  find . -name ".txt"  
   95  find . -name "\*.txt"  
   96  find / -type f -name test  
   97  find / -type d -name test  
   98  find / -type l -name test  
   99  file / -user tomcat  
  100  file / -user john  
  101  locate -r test  
  102  yum install mlocate  
  103  updatedb  
  104  locate -r test  
  105  history

Redirect Operator

100 echo "Jerry is the most loved char in tom and jerry" > jerry.txt:- Create a file with some content

101 ls -a

102 ls -la

103 ls

104 cat jerry.txt

105 echo "Second line in the jerry file" >> jerry.txt :- It will append new line in the file

106 cat jerry.txt

117  ls -l  
  118  ls -l > listing  
  119  ls  
  120  cat listing  
  121  pwd > findpath  
  122  cat findpath

Pipes in linux

127  cd /var/log  
  128  ls  
  129  cat messages  
  130  cat messages | more  
  131  cat messages | tail -f

User Details

1  cat /var/log/messages  
    2  sudo -i  
    3  last  
    4  w  
    6  id  
    7  history

118 wall

Enter your message in double quote

119 write spider (user)

Enter your message in double quote

120 id

For Broadcast press ctrl+d

System Utility

154  date  
  155  time  
  156  uptime  
  157  uname  
  158  uname -a  
  159  which  
  160  cal  
  161  bc

165  ps aux  
  166  top

Which pwd

 174  yum install java-1.8.0-openjdk  
  175  which java

To check the monitoring report

sosreport

To Stop VM

shutdown -h now

To check which shell is running:- echo $0

[root@linuxvm ~]# cat firstscript.sh  
#!/bin/bash  
#simple output script  
echo "Hello this is my first shell script"

[ bash -f ifloop.sh :- To execute file without having permission

Ps aux :- all the services running in my system

 211  yum install httpd  
  212  service httpd start  
  213  service httpd status

cat service.sh  
ps cax | grep httpd  
if [ $? -eq 0 ]; then  
  echo "process is running"  
else  
  echo "process is not running"  
fi

bash -f service.sh\

bash -f service.sh

to verify service not running

service httpd stop  
bash -f service.sh

for i in $(seq 5);do cat /proc/loadavg;sleep 3;done

: For checking the average of process running

Ip a :- To get the IP in linux

 for i in 10.0.0.4;do echo os version $i;cat /etc/redhat-release;done

To get how much memory is there:-

for i in 10.0.0.4;do echo Memory Status $i;free -g;done

for i in 10.0.0.4;do echo kernal version $i;uname -r;done

for i in 10.0.0.4;do echo kernal version $i;sestatus;done

|  |
| --- |
| 253 cd /root |
|  | 255 wget https://repo.mysql.com/mysql80-community-release-el8-4.noarch.rpm |
|  | 256 yum localinstall mysql80-community-release-el8-4.noarch.rpm |
|  | 257 yum repolist enabled | grep "mysql.\*-community.\*" |
|  | 264 yum install mysql-server |
|  | 265 systemctl enable mysqld.service |
|  | 268 systemctl status mysqld |
|  | 269 systemctl start mysqld |
|  | 270 systemctl status mysqld |
|  | 271 mysql\_secure\_installation |

#!/bin/bash

echo "enter your db username"

read user

echo "logged in as $user"

echo "enter your password"

read pass

mysql -u$user -p$pass -e "CREATE DATABASE EMPLOYEE"

CREATE TABLE EMPDETAIL(empid VARCHAR(50) NOT NULL,empname VARCHAR(30) NOT NULL,address VARCHAR(60) NOT NULL,dob INT NOT NULL,PRIMARY KEY(empid));"

emp\_csv\_file.txt

insert into EMPDETAIL VALUES(“K123”,“KIshan”, “Kolkata”, “16-02-2000”);

insert into EMPDETAIL VALUES(111,kshan,kolkata,16-02-2000);

K111,KIshan,Kolkata,16-02-2000

P222,Akash,Pune,16-02-2000

K333,Vikash,Delhi,16-02-2000

K444,Hemant ,Bangalore,16-02-2000

303  cat /etc/nsswitch.conf  
  304  cat /etc/hostname  
  305  cat /etc/sysconfig/network  
  
  307  cat /etc/sysconfig/network-scripts/ifcfg-eth0  
  308  cat /etc/resolv.conf

 325  cd /var/www/html/  
  326  wget <https://www.free-css.com/assets/files/free-css-templates/download/page279/fanadesh.zip>  
  327  ls  
  328  unzip fanadesh.zip  
  329  ls

332  systemctl start httpd  
  333  systemctl stop firewalld  
  334  curl localhost  
  335  curl localhost/fanadesh-html

Shutdown -h now

What is firewalld? Add a rule in firewalld

What is cronttab? Create a backup plan using cron tab?

download crome

visual studio code

<https://chocolatey.org/install>

Installing Chocolatey

Chocolatey is software management automation for Windows that wraps installers, executables, zips, and scripts into compiled packages. Chocolatey integrates w/SCCM, Puppet, Chef, etc. Chocolatey is...

choco install git

choco install terraform

choco install azure-cli

refreshenv

az login

ssh-keygen -t rsa: Generate key