**Q. 1) Get user info from /etc /passwd and change ownership of a users home directory.**

**A) View etc/passwd file**

varun brahamne@varun MINGW64 /d/Brigelabz/TerminalCommands/linux-content/etc (master)

$ cat passwd.tx

root:x:0:0:root:/root:/bin/bash

daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin

bin:x:2:2:bin:/bin:/usr/sbin/nologin

sys:x:3:3:sys:/dev:/usr/sbin/nologin

sync:x:4:65534:sync:/bin:/bin/sync

games:x:5:60:games:/usr/games:/usr/sbin/nologin

man:x:6:12:man:/var/cache/man:/usr/sbin/nologin

lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin

mail:x:8:8:mail:/var/mail:/usr/sbin/nologin

news:x:9:9:news:/var/spool/news:/usr/sbin/nologin

uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin

proxy:x:13:13:proxy:/bin:/usr/sbin/nologin

www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin

backup:x:34:34:backup:/var/backups:/usr/sbin/nologin

list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin

irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin

gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin

nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin

systemd-network:x:100:102:systemd Network Management,,,:/run/systemd/netif:/usr/sbin/nologin

systemd-resolve:x:101:103:systemd Resolver,,,:/run/systemd/resolve:/usr/sbin/nologin

syslog:x:102:106::/home/syslog:/usr/sbin/nologin

messagebus:x:103:107::/nonexistent:/usr/sbin/nologin

\_apt:x:104:65534::/nonexistent:/usr/sbin/nologin

uuidd:x:105:111::/run/uuidd:/usr/sbin/nologin

avahi-autoipd:x:106:112:Avahi autoip daemon,,,:/var/lib/avahi-autoipd:/usr/sbin/nologin

usbmux:x:107:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin

dnsmasq:x:108:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin

rtkit:x:109:114:RealtimeKit,,,:/proc:/usr/sbin/nologin

cups-pk-helper:x:110:116:user for cups-pk-helper service,,,:/home/cups-pk-helper:/usr/sbin/nologin

speech-dispatcher:x:111:29:Speech Dispatcher,,,:/var/run/speech-dispatcher:/bin/false

whoopsie:x:112:117::/nonexistent:/bin/false

kernoops:x:113:65534:Kernel Oops Tracking Daemon,,,:/:/usr/sbin/nologin

saned:x:114:119::/var/lib/saned:/usr/sbin/nologin

pulse:x:115:120:PulseAudio daemon,,,:/var/run/pulse:/usr/sbin/nologin

avahi:x:116:122:Avahi mDNS daemon,,,:/var/run/avahi-daemon:/usr/sbin/nologin

colord:x:117:123:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin

hplip:x:118:7:HPLIP system user,,,:/var/run/hplip:/bin/false

geoclue:x:119:124::/var/lib/geoclue:/usr/sbin/nologin

gnome-initial-setup:x:120:65534::/run/gnome-initial-setup/:/bin/false

gdm:x:121:125:Gnome Display Manager:/var/lib/gdm3:/bin/false

anurag:x:1000:1000:aashish:/home/anurag:/bin/bash

bind:x:122:127::/var/cache/bind:/usr/sbin/nologin

mysql:x:123:128:MySQL Server,,,:/nonexistent:/bin/false

epmd:x:124:129::/var/run/epmd:/usr/sbin/nologin

rabbitmq:x:125:130:RabbitMQ messaging server,,,:/var/lib/rabbitmq:/usr/sbin/nologin

postgres:x:126:131:PostgreSQL administrator,,,:/var/lib/postgresql:/bin/bash

tomcat:x:999:998::/opt/tomcat:/bin/false

**b) Print the first field in the /etc/passwd file**

varun brahamne@varun MINGW64 /d/Brigelabz/TerminalCommands/linux-content/etc (master)

$ cat passwd.tx | awk -F ":" '{print $1}'

root

daemon

bin

sys

sync

games

man

lp

mail

news

uucp

proxy

www-data

backup

list

irc

gnats

nobody

systemd-network

systemd-resolve

syslog

messagebus

\_apt

uuidd

avahi-autoipd

usbmux

dnsmasq

rtkit

cups-pk-helper

speech-dispatcher

whoopsie

kernoops

saned

pulse

avahi

colord

hplip

geoclue

gnome-initial-setup

gdm

anurag

bind

mysql

epmd

rabbitmq

postgres

tomcat

**c) Print all userids > 1000**

varun brahamne@varun MINGW64 /d/Brigelabz/TerminalCommands/linux-content/etc (master)

$ cat passwd.tx | awk -F ":" '{

if( $4 > 1000)

{

{print $0}

}}'

sync:x:4:65534:sync:/bin:/bin/sync

nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin

\_apt:x:104:65534::/nonexistent:/usr/sbin/nologin

dnsmasq:x:108:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin

kernoops:x:113:65534:Kernel Oops Tracking Daemon,,,:/:/usr/sbin/nologin

gnome-initial-setup:x:120:65534::/run/gnome-initial-setup/:/bin/false

**d) Print the second field to get a home Directory**

varun brahamne@varun MINGW64 /d/Brigelabz/TerminalCommands/linux-content/etc (master)

$ awk -F":" '$7 == "/bin/false" {print "User: "$1 "Home Dir: "$6}' passwd.tx

User: speech-dispatcherHome Dir: /var/run/speech-dispatcher

User: whoopsieHome Dir: /nonexistent

User: hplipHome Dir: /var/run/hplip

User: gnome-initial-setupHome Dir: /run/gnome-initial-setup/

User: gdmHome Dir: /var/lib/gdm3

User: mysqlHome Dir: /nonexistent

User: tomcatHome Dir: /opt/tomcat

**Q.2) Move files from folder to respective folders.**

**a) Crate files in current directory or any temp directory – abc.txt, def.txt, ghi.txt, jkl.txt**

**b) Print list of files to move**

**c) Segregate basename and extension of a file.**

**d) Create folder using a basename.**

**e) Move file to newly created folder**

**f) Iterate above steps for all files.**

varun brahamne@varun MINGW64 /d/Brigelabz/TerminalCommands/linux-content/assignment\_Work (master)

$ touch abc.txt def.txt ghi.txt jkl.txt

varun brahamne@varun MINGW64 /d/Brigelabz/TerminalCommands/linux-content/assignment\_Work (master)

$ ls

abc.txt def.txt ghi.txt jkl.txt

varun brahamne@varun MINGW64 /d/Brigelabz/TerminalCommands/linux-content/assignment\_Work (master)

$ ls

abc.txt def.txt ghi.txt jkl.txt mvfile.sh\*

varun brahamne@varun MINGW64 /d/Brigelabz/TerminalCommands/linux-content/assignment\_Work (master)

$ nano mvfile.sh

varun brahamne@varun MINGW64 /d/Brigelabz/TerminalCommands/linux-content/assignment\_Work (master)

$ cat mvfile.sh

#! bin/bash -x

for file in `ls \*.txt`

do

folderName=`echo $file |awk -F. '{print $1}'`

echo $folderName ;

mkdir $folderName ;

mv $file $folderName;

done

varun brahamne@varun MINGW64 /d/Brigelabz/TerminalCommands/linux-content/assignment\_Work (master)

$ ./mvfile.sh

abc

def

ghi

jkl

varun brahamne@varun MINGW64 /d/Brigelabz/TerminalCommands/linux-content/assignment\_Work (master)

$ ls

abc/ def/ ghi/ jkl/ mvfile.sh