import urllib

import os, sys

choice=int(input("Enter 0 to see menu=\t"))

while choice<6:

print "LOG MENU \n"

print "1. BOOT LOG \n"

print "2. AUTH LOG \n"

print "3. KERN LOG \n"

print "4. SYSTEM LOG \n"

print "5. Existing List of LOG Files\n"

print "6. EXIT LOG \n"

print "Select Log FIle Choice"

choice=int(input("Enter the choice=\t"))

if choice==1:

datasource = urllib.urlopen("/var/log/boot.log")

i=0

while i<10:

i=i+1

line = datasource.readline()

if line == "": break

if (line.find("") > -1) :

print line,

line="Boot LOG data!"

print line,

elif choice==2:

datasource = urllib.urlopen("/var/log/auth.log")

i=0

while i<10:

i=i+1

line = datasource.readline()

if line == "": break

if (line.find("") > -1) :

print line,

line="Authentication LOG data!"

print line,

elif choice==3:

datasource = urllib.urlopen("/var/log/kern.log")

i=0

while i<10:

i=i+1

line = datasource.readline()

if line == "": break

if (line.find("") > -1) :

print line,

line="Kernel LOG data!"

print line,

elif choice==4:

datasource = urllib.urlopen("/var/log/syslog")

i=0

while i<10:

i=i+1

line = datasource.readline()

if line == "": break

if (line.find("") > -1) :

print line,

line="System LOG data!"

print line,

elif choice == 5:

# Open a file

path = "/var/log"

dirs = os.listdir( path )

# This would print all the files and directories

for file in dirs:

print file

elif choice == 6:

break

OUTPUT:-

student@student-OptiPlex-390:~$ cd '/home/student/Desktop/log'

student@student-OptiPlex-390:~/Desktop/log$ python finallog.py

Enter 0 to see menu= 0

LOG MENU

1. BOOT LOG

2. AUTH LOG

3. KERN LOG

4. Existing List of LOG Files

5. EXIT LOG

Select Log FIle Choice

Enter the choice= 1

\* Stopping Read required files in advance [ OK ]

Boot LOG data! \* Starting Mount filesystems on boot [ OK ]

Boot LOG data! \* Starting Populate /dev filesystem [ OK ]

Boot LOG data! \* Starting Populate and link to /run filesystem [ OK ]

Boot LOG data! \* Stopping Populate /dev filesystem [ OK ]

Boot LOG data! \* Stopping Populate and link to /run filesystem [ OK ]

Boot LOG data! \* Stopping Track if upstart is running in a container [ OK ]

Boot LOG data! \* Starting Initialize or finalize resolvconf [ OK ]

Boot LOG data! \* Starting set console keymap [ OK ]

Boot LOG data! \* Starting Signal sysvinit that virtual filesystems are mounted[ OK ]

Boot LOG data! LOG MENU

1. BOOT LOG

2. AUTH LOG

3. KERN LOG

4. Existing List of LOG Files

5. EXIT LOG

Select Log FIle Choice

Enter the choice= 2

Sep 15 09:59:31 student-OptiPlex-390 pkexec: pam\_unix(polkit-1:session): session opened for user root by (uid=1000)

Authentication LOG data! Sep 15 09:59:31 student-OptiPlex-390 pkexec[2520]: student: Executing command [USER=root] [TTY=unknown] [CWD=/home/student] [COMMAND=/usr/lib/update-notifier/package-system-locked]

Authentication LOG data! Sep 15 09:59:53 student-OptiPlex-390 gnome-keyring-daemon[1305]: keyring alias directory: /home/student/.local/share/keyrings

Authentication LOG data! Sep 15 10:17:01 student-OptiPlex-390 CRON[2590]: pam\_unix(cron:session): session opened for user root by (uid=0)

Authentication LOG data! Sep 15 10:17:01 student-OptiPlex-390 CRON[2590]: pam\_unix(cron:session): session closed for user root

Authentication LOG data! Sep 15 11:13:26 student-OptiPlex-390 compiz: PAM unable to dlopen(pam\_kwallet.so): /lib/security/pam\_kwallet.so: cannot open shared object file: No such file or directory

Authentication LOG data! Sep 15 11:13:26 student-OptiPlex-390 compiz: PAM adding faulty module: pam\_kwallet.so

Authentication LOG data! Sep 15 11:13:26 student-OptiPlex-390 compiz: pam\_succeed\_if(lightdm:auth): requirement "user ingroup nopasswdlogin" not met by user "student"

Authentication LOG data! Sep 15 11:17:01 student-OptiPlex-390 CRON[2804]: pam\_unix(cron:session): session opened for user root by (uid=0)

Authentication LOG data! Sep 15 11:17:01 student-OptiPlex-390 CRON[2804]: pam\_unix(cron:session): session closed for user root

Authentication LOG data! LOG MENU

1. BOOT LOG

2. AUTH LOG

3. KERN LOG

4. Existing List of LOG Files

5. EXIT LOG

Select Log FIle Choice

Enter the choice= 3

Sep 15 11:26:36 student-OptiPlex-390 kernel: [ 6746.796693] device eth0 entered promiscuous mode

Kernel LOG data! Sep 15 11:29:49 student-OptiPlex-390 kernel: [ 6939.982338] device eth0 left promiscuous mode

Kernel LOG data! Sep 15 11:35:31 student-OptiPlex-390 kernel: [ 7281.590905] device eth0 entered promiscuous mode

Kernel LOG data! Sep 15 13:52:17 student-OptiPlex-390 kernel: [ 0.000000] Initializing cgroup subsys cpuset

Kernel LOG data! Sep 15 13:52:17 student-OptiPlex-390 kernel: [ 0.000000] Initializing cgroup subsys cpu

Kernel LOG data! Sep 15 13:52:17 student-OptiPlex-390 kernel: [ 0.000000] Initializing cgroup subsys cpuacct

Kernel LOG data! Sep 15 13:52:17 student-OptiPlex-390 kernel: [ 0.000000] Linux version 3.13.0-24-generic (buildd@panlong) (gcc version 4.8.2 (Ubuntu 4.8.2-19ubuntu1) ) #46-Ubuntu SMP Thu Apr 10 19:11:08 UTC 2014 (Ubuntu 3.13.0-24.46-generic 3.13.9)

Kernel LOG data! Sep 15 13:52:17 student-OptiPlex-390 kernel: [ 0.000000] Command line: BOOT\_IMAGE=/boot/vmlinuz-3.13.0-24-generic root=UUID=42452103-bd56-4174-bb35-5c5de041dbac ro quiet splash vt.handoff=7

Kernel LOG data! Sep 15 13:52:17 student-OptiPlex-390 kernel: [ 0.000000] KERNEL supported cpus:

Kernel LOG data! Sep 15 13:52:17 student-OptiPlex-390 kernel: [ 0.000000] Intel GenuineIntel

Kernel LOG data! LOG MENU

1. BOOT LOG

2. AUTH LOG

3. KERN LOG

4. Existing List of LOG Files

5. EXIT LOG

Select Log FIle Choice

Enter the choice= 4

wtmp

kern.log

Xorg.0.log

alternatives.log

gpu-manager.log

Xorg.0.log.old

dist-upgrade

syslog.1

syslog.3.gz

kern.log.2.gz

dpkg.log

dmesg.3.gz

dmesg.0

fontconfig.log

bootstrap.log

auth.log.3.gz

dpkg.log.1

fsck

btmp.1

dmesg.4.gz

speech-dispatcher

auth.log.2.gz

kern.log.3.gz

kern.log.1

hp

btmp

syslog

pm-powersave.log

lightdm

wtmp.1

dmesg

unattended-upgrades

syslog.4.gz

dmesg.1.gz

dmesg.2.gz

upstart

syslog.6.gz

syslog.7.gz

pm-powersave.log.1

syslog.2.gz

samba

lastlog

installer

apt

syslog.5.gz

auth.log.4.gz

kern.log.4.gz

alternatives.log.1

faillog

auth.log.1

auth.log

cups

boot.log

udev

LOG MENU

1. BOOT LOG

2. AUTH LOG

3. KERN LOG

4. Existing List of LOG Files

5. EXIT LOG

Select Log FIle Choice

Enter the choice= 5

student@student-OptiPlex-390:~/Desktop/log$