Lab 8

Question 1

Question 2

Question 3

```
gnome-remote-desktop /usr/sbin/nologin
polkitd /usr/sbin/nologin
rtkit /usr/sbin/nologin
colord /usr/sbin/nologin
gnome-initial-setup /bin/false
gdm /bin/false
nm-openvpn /usr/sbin/nologin
mahima-rana /bin/bash
_flatpak /usr/sbin/nologin
vboxadd /bin/false
mahima-rana@cis106:~/lab8$ awk -F":" '{print $1,$NF}' /etc/passwd
```

```
colord /usr/sbin/nologin /var/lib/colord
gnome-initial-setup /bin/false /run/gnome-initial-setup/
gdm /bin/false /var/lib/gdm3
nm-openvpn /usr/sbin/nologin /var/lib/openvpn/chroot
mahima-rana /bin/bash /home/mahima-rana
_flatpak /usr/sbin/nologin /nonexistent
vboxadd /bin/false /var/run/vboxadd
mahima-rana@cis106:~/lab8$ awk -F":" '{print $1,$NF,$6}' /etc/passwd
```

```
The userpolkitd logs in with:/usr/sbin/nologin and its home dir is:/
The userrtkit logs in with:/usr/sbin/nologin and its home dir is:/proc
The usercolord logs in with:/usr/sbin/nologin and its home dir is:/var/lib/colord
The usergnome-initial-setup logs in with:/bin/false and its home dir is:/run/gnome-initial-setup/
The usergdm logs in with:/bin/false and its home dir is:/var/lib/gdm3
The usernm-openvpn logs in with:/usr/sbin/nologin and its home dir is:/var/lib/openvpn/chroot
The usermahima-rana logs in with:/bin/bash and its home dir is:/home/mahima-rana
The user_flatpak logs in with:/usr/sbin/nologin and its home dir is:/nonexistent
The uservboxadd logs in with:/bin/false and its home dir is:/var/run/vboxadd
mahima-rana@cis106:~/lab8$ awk -F":" '{print "The user"$1,"logs in with:" $NF,"and its home dir is:" $6}
' /etc/passwd
```

```
gdm = /bin/false
nm-openvpn = /usr/sbin/nologin
mahima-rana = /bin/bash
_flatpak = /usr/sbin/nologin
vboxadd = /bin/false
mahima-rana@cis106:~/lab8$ awk -F":" '{print $1" = "$NF}' /etc/passwd | grep "/bin/ba
sh"
root = /bin/bash
mahima-rana = /bin/bash
mahima-rana@cis106:~/lab8$ awk -F":" '{print $1" = "$NF}' /etc/passwd | grep "/bin/ba
sh" >> report_users.txt
mahima-rana@cis106:~/lab8$
```

```
The usersyslog logs in with:/usr/sbin/nologin and its home dir is:/nonexistent
The usersystemd-resolve logs in with:/usr/sbin/nologin and its home dir is:/
The useruuidd logs in with:/usr/sbin/nologin and its home dir is:/run/uuidd
The userusbmux logs in with:/usr/sbin/nologin and its home dir is:/var/lib/usbmux
The usertss logs in with:/bin/false and its home dir is:/var/lib/tpm
The usersystemd-oom logs in with:/usr/sbin/nologin and its home dir is:/
The userkernoops logs in with:/usr/sbin/nologin and its home dir is:/
The userwhoopsie logs in with:/bin/false and its home dir is:/nonexistent
The userdnsmasq logs in with:/usr/sbin/nologin and its home dir is:/var/lib/misc
The useravahi logs in with:/usr/sbin/nologin and its home dir is:/run/avahi-daemon
The usertcpdump logs in with:/usr/sbin/nologin and its home dir is:/nonexistent
The usersssd logs in with:/usr/sbin/nologin and its home dir is:/var/lib/sss
The userspeech-dispatcher logs in with:/bin/false and its home dir is:/run/speech-dispatcher
The usercups-pk-helper logs in with:/usr/sbin/nologin and its home dir is:/nonexistent
The userfwupd-refresh logs in with:/usr/sbin/nologin and its home dir is:/var/lib/fwupd
The usersaned logs in with:/usr/sbin/nologin and its home dir is:/var/lib/saned
The usergeoclue logs in with:/usr/sbin/nologin and its home dir is:/var/lib/geoclue
The usercups-browsed logs in with:/usr/sbin/nologin and its home dir is:/nonexistent
The userhplip logs in with:/bin/false and its home dir is:/run/hplip
The usergnome-remote-desktop logs in with:/usr/sbin/nologin and its home dir is:/var/lib/gnome-remote-de
sktop
The userpolkitd logs in with:/usr/sbin/nologin and its home dir is:/
The userrtkit logs in with:/usr/sbin/nologin and its home dir is:/proc
The usercolord logs in with:/usr/sbin/nologin and its home dir is:/var/lib/colord
The usergnome-initial-setup logs in with:/bin/false and its home dir is:/run/gnome-initial-setup/
The usergdm logs in with:/bin/false and its home dir is:/var/lib/gdm3
The usernm-openvpn logs in with:/usr/sbin/nologin and its home dir is:/var/lib/openvpn/chroot
The usermahima-rana logs in with:/bin/bash and its home dir is:/home/mahima-rana
The user_flatpak logs in with:/usr/sbin/nologin and its home dir is:/nonexistent
The uservboxadd logs in with:/bin/false and its home dir is:/var/run/vboxadd
root = /bin/bash
mahima-rana = /bin/bash
mahima-rana@cis106:~/lab8$
```

Question 4

```
mahima-rana@cis106:~$ cd lab8/
mahima-rana@cis106:~/lab8$ grep -i "honda" ~/Documents/Csv/cars.csv > honda1.csv
mahima-rana@cis106:~/lab8$ head -1 ~/Documents/Csv/cars.csv > honda1.csv
mahima-rana@cis106:~/lab8$ cat honda1.csv
Car;MPG;Cylinders;Displacement;Horsepower;Weight;Acceleration;Model;Origin
mahima-rana@cis106:~/lab8$ grep -i "honda" ~/Documents/Csv/cars.csv >> honda1.csv
mahima-rana@cis106:~/lab8$ sed 's/;/,/g' honda1.csv
Car,MPG,Cylinders,Displacement,Horsepower,Weight,Acceleration,Model,Origin
Honda Civic,24.0,4,120.0,97.00,2489.,15.0,74,Japan
Honda Civic CVCC,33.0,4,91.00,53.00,1795.,17.5,75,Japan
Honda Civic,33.0,4,91.00,53.00,1795.,17.4,76,Japan
Honda Accord CVCC,31.5,4,98.00,68.00,2045.,18.5,77,Japan
Honda Civic CVCC,36.1,4,91.00,60.00,1800.,16.4,78,Japan
Honda Accord LX,29.5,4,98.00,68.00,2135.,16.6,78,Japan
Honda Civic 1500 gl,44.6,4,91.00,67.00,1850.,13.8,80,Japan
Honda Accord,32.4,4,107.0,72.00,2290.,17.0,80,Japan
Honda Civic 1300,35.1,4,81.00,60.00,1760.,16.1,81,Japan
Honda Prelude,33.7,4,107.0,75.00,2210.,14.4,81,Japan
Honda Accord,36.0,4,107.0,75.00,2205.,14.5,82,Japan
Honda Civic,38.0,4,91.00,67.00,1965.,15.0,82,Japan
Honda Civic (auto),32.0,4,91.00,67.00,1965.,15.7,82,Japan
mahima-rana@cis106:~/lab8$ sed 's/;/,/g' honda1.csv > honda2.csv
mahima-rana@cis106:~/lab8$
```

```
Honda_Civic ,4 ,67.00 ,
Honda_Civic (auto) ,4 ,67.00 ,
mahima-rana@cis106:~/lab8$ awk -F"," 'NR >1 {print $1","$3","$5","}' honda2.csv |
sed 's/ , /,/g' | sed 's/Honda /Honda_/g' >> honda3.csv
mahima-rana@cis106:~/lab8$ batcat honda3.csv
───────┬────────────────────────────────────────────────────────────
       │ File: honda3.csv
───────┼────────────────────────────────────────────────────────────
   1   │ model,cylinder,hp
   2   │ Honda_Civic ,4 ,97.00 ,
   3   │ Honda_Civic CVCC ,4 ,53.00 ,
   4   │ Honda_Civic ,4 ,53.00 ,
   5   │ Honda_Accord CVCC ,4 ,68.00 ,
   6   │ Honda_Civic CVCC ,4 ,60.00 ,
   7   │ Honda_Accord LX ,4 ,68.00 ,
   8   │ Honda_Civic 1500 gl ,4 ,67.00 ,
   9   │ Honda_Accord ,4 ,72.00 ,
  10   │ Honda_Civic 1300 ,4 ,60.00 ,
  11   │ Honda_Prelude ,4 ,75.00 ,
  12   │ Honda_Accord ,4 ,75.00 ,
  13   │ Honda_Civic ,4 ,67.00 ,
  14   │ Honda_Civic (auto) ,4 ,67.00 ,
───────┴────────────────────────────────────────────────────────────
mahima-rana@cis106:~/lab8$
```

/

```
File: /etc/passwd

1    root:x:0:0:root:/root:/bin/bash
2    daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
3    bin:x:2:2:bin:/bin:/usr/sbin/nologin
4    sys:x:3:3:sys:/dev:/usr/sbin/nologin
5    sync:x:4:65534:sync:/bin:/bin/sync
6    games:x:5:60:games:/usr/games:/usr/sbin/nologin
7    man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
8    lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
9    mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
10   news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
11   uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
12   proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
13   www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
14   backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
15   list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
16   irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin
17   _apt:x:42:65534::/nonexistent:/usr/sbin/nologin
18   nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
19   systemd-network:x:998:998:systemd Network Management:/:/usr/sbin/nologin
20   systemd-timesync:x:996:996:systemd Time Synchronization:/:/usr/sbin/nologin
:
```