Lab2

- Name: Aravinth TM
- Registration Number: 19BCE7415

Install software in windows with CMD

```
PS C:\Users\Aravinth\Downloads> msiexec.exe \i 'C:\Users\Aravinth\Downloads\7z1900-x64
```

Users in system

```
userdbctl user
```

Output

```
NAME                DISPOSITION    UID   GID REALNAME              HOME            SHELL
root                intrinsic        0     0 -                     /root           /bin/l
nobody              intrinsic    65534 65534 Nobody                /               /usr/l
bin                 system           1     1 -                     /               /usr/l
daemon              system           2     2 -                     /               /usr/l
mail                system           8    12 -                     /var/spool/mail /usr/l
ftp                 system          14    11 -                     /srv/ftp        /usr/l
http                system          33    33 -                     /srv/http       /usr/l
named               system          40    40 BIND DNS Server       /               /usr/l
uuidd               system          68    68 -                     /               /usr/l
dbus                system          81    81 System Message Bus    /               /usr/l
polkitd             system         102   102 PolicyKit daemon      /               /usr/l
rtkit               system         133   133 RealtimeKit           /proc           /usr/l
usbmux              system         140   140 usbmux user           /               /usr/l
nvidia-persistenc…  system         143   143 NVIDIA Persistence…   /               /usr/l
i2pd                system         966   966 i2pd user             /var/lib/i2pd   /usr/l
mysql               system         967   967 MariaDB               /var/lib/mysql  /usr/l
openvpn             system         968   968 OpenVPN               /               /usr/l
postgres            system         969   969 PostgreSQL user       /var/lib/postgres /bin/l
dhcpcd              system         970   970 dhcpcd privilege s…   /               /usr/l
redis               system         971   971 Redis in-memory da…   /var/lib/redis  /usr/l
geoclue             system         973   973 Geoinformation ser…   /var/lib/geoclue /usr/l
colord              system         974   974 Color management d…   /var/lib/colord /usr/l
avahi               system         975   975 Avahi mDNS/DNS-SD …   /               /usr/l
```

```
dhcp               system      976   976 DHCP daemon          /                /usr/
git                system      977   977 git daemon user      /                /usr/
systemd-coredump   system      978   978 systemd Core Dumper /                 /usr/
systemd-timesync   system      979   979 systemd Time Synch… /                 /usr/
systemd-resolve    system      980   980 systemd Resolver    /                 /usr/
systemd-network    system      981   981 systemd Network Ma… /                 /usr/
systemd-journal-r… system      982   982 systemd Journal Re… /                 /usr/
aravinth           regular    1000  1000 -                   /home/aravinth    /usr/
```

List files and attributes

```
ls -lag
```

Output

```
total 8.0K
drwxr-xr-x 2 aravinth aravinth 4.0K Feb 13 11:51  .
drwxr-xr-x 4 aravinth aravinth 4.0K Feb 20 18:17  ..
-rw-r--r-- 1 aravinth aravinth    0 Feb 13 11:51  File1
-rw-r--r-- 1 aravinth aravinth    0 Feb 13 11:51 'File1(0)'
-rw-r--r-- 1 aravinth aravinth    0 Feb 13 11:51 'File1(1)'
-rw-r--r-- 1 aravinth aravinth    0 Feb 13 11:51 'File1(10)'
-rw-r--r-- 1 aravinth aravinth    0 Feb 13 11:51 'File1(11)'
-rw-r--r-- 1 aravinth aravinth    0 Feb 13 11:51 'File1(12)'
-rw-r--r-- 1 aravinth aravinth    0 Feb 13 11:51 'File1(13)'
-rw-r--r-- 1 aravinth aravinth    0 Feb 13 11:51 'File1(14)'
-rw-r--r-- 1 aravinth aravinth    0 Feb 13 11:51 'File1(15)'
-rw-r--r-- 1 aravinth aravinth    0 Feb 13 11:51 'File1(16)'
-rw-r--r-- 1 aravinth aravinth    0 Feb 13 11:51 'File1(17)'
-rw-r--r-- 1 aravinth aravinth    0 Feb 13 11:51 'File1(18)'

# <----snip--->
```

Sort

```
➜  lab2 git:(master) ✗ cat wordlist
───────┬─────────────────────────────────────────────────────────────
       │ File: wordlist
───────┼─────────────────────────────────────────────────────────────
   1   │ echo
   2   │ echo
```

```
     3   | echo
     4   | echo
     5   | test
     6   | apple
     7   | echo
     8   | echo
     9   | orange
    10   | echo
    11   | echo
  _____|_____
```

```
➜  lab2 git:(master) ✗ sort -u wordlist
apple
echo
orange
test
➜  lab2 git:(master) ✗
```

Directory traversal with `pushd` and popd`

```
➜  lab2 git:(master) ✗ mkdir -p 1/2/3/4/5/
➜  lab2 git:(master) ✗ pushd 1
~/code/uni-stuff/cse2010/lab2/1 ~/code/uni-stuff/cse2010/lab2 ~/code/uni-stuff/cse2010
➜  1 git:(master) ✗ pushd 2
~/code/uni-stuff/cse2010/lab2/1/2 ~/code/uni-stuff/cse2010/lab2/1 ~/code/uni-stuff/cse
➜  2 git:(master) ✗ pushd 3
~/code/uni-stuff/cse2010/lab2/1/2/3 ~/code/uni-stuff/cse2010/lab2/1/2 ~/code/uni-stuff/
➜  3 git:(master) ✗ pushd 4
~/code/uni-stuff/cse2010/lab2/1/2/3/4 ~/code/uni-stuff/cse2010/lab2/1/2/3 ~/code/uni-s
➜  4 git:(master) ✗ popd
~/code/uni-stuff/cse2010/lab2/1/2/3 ~/code/uni-stuff/cse2010/lab2/1/2 ~/code/uni-stuff/
➜  3 git:(master) ✗ popd
~/code/uni-stuff/cse2010/lab2/1/2 ~/code/uni-stuff/cse2010/lab2/1 ~/code/uni-stuff/cse
➜  2 git:(master) ✗ popd
~/code/uni-stuff/cse2010/lab2/1 ~/code/uni-stuff/cse2010/lab2 ~/code/uni-stuff/cse2010
➜  1 git:(master) ✗ popd
~/code/uni-stuff/cse2010/lab2 ~/code/uni-stuff/cse2010 ~ /tmp ~/Syncthing/Books ~/code
➜  lab2 git:(master) ✗
```