

3.3.6 Practice - Text Searching and Manipulation

1. Using `/etc/passwd`, extract the user and home directory fields for all users on your Kali machine for which the shell is set to `/bin/false`. Make sure you use a Bash one-liner to print the output to the screen.

```
(kali㉿kali)-[~/OSCP_Training]
└─$ cat /etc/passwd | grep "/bin/false" | awk -F ":" '{print "The user " $1, "home directory is" $6}'
The user mysql home directory is/nonexistent
The user tss home directory is/var/lib/tpm
The user Debian-snmp home directory is/var/lib/snmp
The user speech-dispatcher home directory is/run/speech-dispatcher
The user lightdm home directory is/var/lib/lightdm
```

2. Copy the `/etc/passwd` file to your home directory (`/home/kali`).

```
(kali㉿kali)-[~]
└─$ ls
Desktop  Documents  Downloads  Music  OSCP_Training  Pictures  Public  Templates  Videos

(kali㉿kali)-[~]
└─$ cp /etc/passwd /home/kali

(kali㉿kali)-[~]
└─$ ls
Desktop  Documents  Downloads  Music  OSCP_Training  passwd  Pictures  Public  Templates  Videos
```

3. Use `cat` in a one-liner to print the output of the `/kali/passwd` and replace all instances of the "Gnome Display Manager" string with "GDM".

```
(kali㉿kali)-[~]
└─$ cat passwd | sed 's/Gnome Display Manager/GDM/'
```