Project 1

Tanner Klock

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Screenshot #1:

```
tanner-klock@tanner-ubuntu-server:/$ cd /home/tanner-klock
tanner-klock@tanner-ubuntu-server:~$
```

Screenshot #2:

```
tanner-klock@tanner-ubuntu-server:~$ mkdir Project1
tanner-klock@tanner-ubuntu-server:~$ _
```

Screenshot #3:

```
tanner-klock@tanner-ubuntu-server:~$ touch Project1/File1
tanner-klock@tanner-ubuntu-server:~$ touch /home/tanner-klock/Project1/File2
tanner-klock@tanner-ubuntu-server:~$
```

Screenshot #4:

```
tanner-klock@tanner-ubuntu-server:~$ cd Project1
tanner-klock@tanner-ubuntu-server:~/Project1$ mv File1 File1.txt
tanner-klock@tanner-ubuntu-server:~/Project1$ mv File2 ..
tanner-klock@tanner-ubuntu-server:~/Project1$ _
```

Screenshot #5:

```
tanner-klock@tanner-ubuntu-server:~/Project1$ locate File1.txt /home/tanner-klock
locate: warning: database '/var/cache/locate/locatedb' is more than 8 days old (actual age is 32.0 days)
/home/tanner-klock
/home/tanner-klock/.bash_history
/home/tanner-klock/.bash_logout
/home/tanner-klock/.bashrc
/home/tanner-klock/.cache
/home/tanner-klock/.cache/motd.legal-displayed
/home/tanner-klock/.lesshst
/home/tanner-klock/.profile
/home/tanner-klock/.ssh
/home/tanner-klock/.ssh/authorized_keys
/home/tanner-klock/.sudo_as_admin_successful
/home/tanner-klock/.viminfo
/home/tanner-klock/Don
/home/tanner-klock/Done
/home/tanner-klock/don
/home/tanner-klock/donaught
/home/tanner-klock/whatever
tanner-klock@tanner-ubuntu-server:~/Project1$
```

It didn't work because the locate command operates on a database that needs to be updated to be able to locate new files. I can use updatedb to update the database with all the new files which will allow me to locate File1.txt using the locate command.

Screenshot #6:

```
tanner-klock@tanner-ubuntu-server:~$ cat .bash_history | tail -n 12
sudo updatedb locate
sudo updatedb
updatede
sudo apt install updatedb
sudo apt install locate
updatedb
sudo updatedb
locate don
locate don | more
clear
sudo su
ping 0.0.0.0
tanner-klock@tanner-ubuntu-server:~$ _
```

Screenshot #7:

```
tanner-klock@tanner-ubuntu-server:~$ find /home/tanner-klock -user tanner-klock | head -10
/home/tanner-klock
/home/tanner-klock/.bash_history
/home/tanner-klock/.viminfo
/home/tanner-klock/.profile
/home/tanner-klock/.bash_logout
/home/tanner-klock/.sudo_as_admin_successful
/home/tanner-klock/Project1
/home/tanner-klock/Project1/File1.txt
/home/tanner-klock/whatever
/home/tanner-klock/File2
tanner-klock@tanner-ubuntu-server:~$
```

Screenshot #8:

```
tanner-klock@tanner-ubuntu-server:~$ find / -size +30M -exec ls {} \; 2>&1 | grep -v "Permission denied" | head -10
/boot/initrd.img-6.8.0-41-generic
/sys/devices/pci0000:00/0000:00:0f.0/resource1
/sys/devices/pci0000:00/0000:00:0f.0/resource1_wc
/usr/lib/llvm-18/lib/libclang-cpp.so.18.1
/usr/lib/llvm-18/lib/libLLVM.so.1
/usr/lib/x86_64-linux-gnu/libclang-18.so.18
/proc/kcore
find: '/proc/1355/task/1355/fd/6': No such file or directory
find: '/proc/1355/task/1355/fdinfo/6': No such file or directory
find: '/proc/1355/fd/5': No such file or directory
tanner-klock@tanner-ubuntu-server:~$
```

Screenshot #9:

```
Ubuntu Server 64-bit ✕

SORT(1)                                                          User Commands

NAME
       sort - sort lines of text files

SYNOPSIS
       sort [OPTION]... [FILE]...
       sort [OPTION]... --files0-from=F

DESCRIPTION
       Write sorted concatenation of all FILE(s) to standard output.

       With no FILE, or when FILE is -, read standard input.

       Mandatory arguments to long options are mandatory for short options too.  Ordering options:

       -b, --ignore-leading-blanks
              ignore leading blanks

       -d, --dictionary-order
              consider only blanks and alphanumeric characters

       -f, --ignore-case
              fold lower case to upper case characters

       -g, --general-numeric-sort
              compare according to general numerical value

       -i, --ignore-nonprinting
              consider only printable characters

       -M, --month-sort
              compare (unknown) < 'JAN' < ... < 'DEC'

       -h, --human-numeric-sort
              compare human readable numbers (e.g., 2K 1G)

       -n, --numeric-sort
              compare according to string numerical value

       -R, --random-sort
              shuffle, but group identical keys.  See shuf(1)

       --random-source=FILE
              get random bytes from FILE

       -r, --reverse
              reverse the result of comparisons

 Manual page sort(1) line 1 (press h for help or q to quit)
```

```
tanner-klock@tanner-ubuntu-server:~$ find / -size +30M -exec ls {} \; 2>&1 | grep -v "Permission denied" | sort -h | head -10
/boot/initrd.img-6.8.0-41-generic
find: '/proc/1387/fd/5': No such file or directory
find: '/proc/1387/fdinfo/5': No such file or directory
find: '/proc/1387/task/1387/fd/6': No such file or directory
find: '/proc/1387/task/1387/fdinfo/6': No such file or directory
/proc/kcore
/swap.img
/sys/devices/pci0000:00/0000:00:0f.0/resource1
/sys/devices/pci0000:00/0000:00:0f.0/resource1_wc
/usr/lib/llvm-18/lib/libclang-cpp.so.18.1
tanner-klock@tanner-ubuntu-server:~$
```

Screenshot #10:

```
tanner-klock@tanner-ubuntu-server:~$ ls -l | grep 'Sep'
-rw-rw-r-- 1 tanner-klock tanner-klock    0 Sep 25 19:15 Don
-rw-rw-r-- 1 tanner-klock tanner-klock    0 Sep 25 19:15 donaught
-rw-rw-r-- 1 tanner-klock tanner-klock    0 Sep 25 19:15 Done
drwxrwxr-x 2 tanner-klock tanner-klock 4096 Sep 11 19:37 whatever
tanner-klock@tanner-ubuntu-server:~$ ls -l | grep 'Oct'
-rw-rw-r-- 1 tanner-klock tanner-klock  123 Oct 18 13:26 don
-rw-rw-r-- 1 tanner-klock tanner-klock    0 Oct 27 19:16 File2
-rw-rw-r-- 1 tanner-klock tanner-klock    0 Oct 27 19:43 grep
-rw-rw-r-- 1 tanner-klock tanner-klock    0 Oct 27 19:43 head
drwxrwxr-x 2 tanner-klock tanner-klock 4096 Oct 27 19:18 Project1
tanner-klock@tanner-ubuntu-server:~$ _
```