

WS 1 Linux Skills

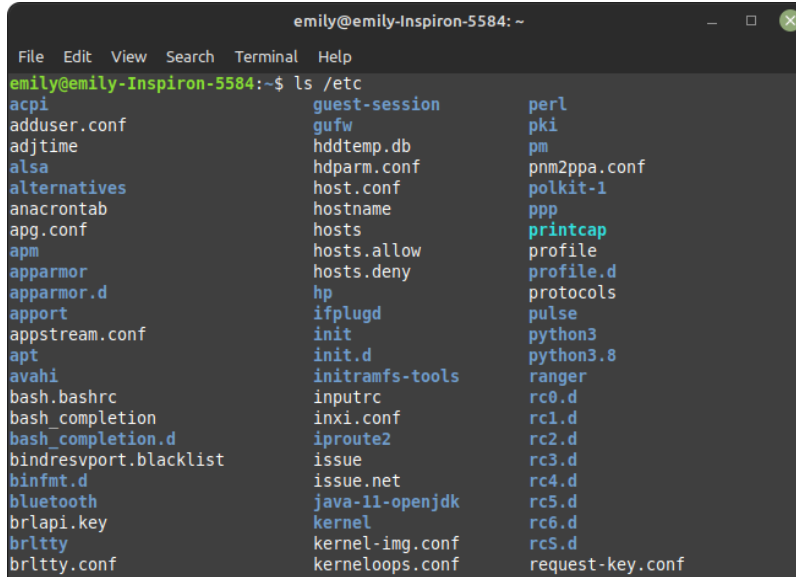
Please answer each one of the questions below. Do not randomly scribble. Paste the question that you are answering and then answer. Clearly write the name(s) of your partner(s).

Question 1 (1 pt): What is the name of your shell?

Command: echo \$SHELL

/bin/bash

Question 2 (1 pt): Give the command to list the top 10 items in the /etc/ folder.

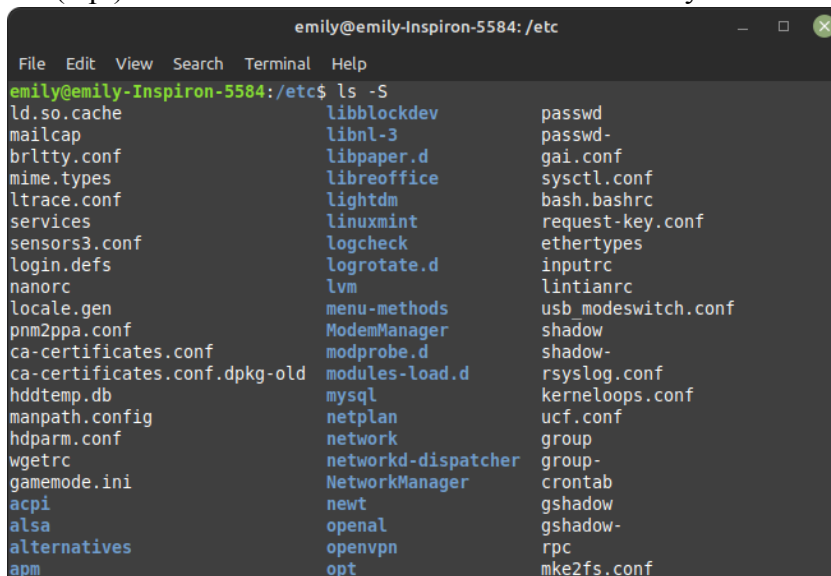


```
emily@emily-Inspiron-5584: ~  
File Edit View Search Terminal Help  
emily@emily-Inspiron-5584:~$ ls /etc  
acpi guest-session perl  
adduser.conf gufw pki  
adjtime hddtemp.db pm  
alsa hdparm.conf pnm2ppa.conf  
alternatives host.conf polkit-1  
anacrontab hostname ppp  
apg.conf hosts printcap  
apm hosts.allow profile  
apparmor hosts.deny profile.d  
apparmor.d hp protocols  
appport ifplugd pulse  
appstream.conf init python3  
apt init.d python3.8  
avahi initramfs-tools ranger  
bash.bashrc inputrc rc0.d  
bash_completion inxi.conf rc1.d  
bash_completion.d iproute2 rc2.d  
bindresvport.blacklist issue rc3.d  
binfmt.d issue.net rc4.d  
bluetooth java-11-openjdk rc5.d  
brlapi.key kernel rc6.d  
brltty kernel-img.conf rcS.d  
brltty.conf kerneloops.conf request-key.conf
```

Question 3 (1 pt): Give the command to change the directory to /etc/ folder.

\$ cd /etc

Question 4 (1 pt): Give the command to list the files sorted by size.



```
emily@emily-Inspiron-5584: /etc  
File Edit View Search Terminal Help  
emily@emily-Inspiron-5584:/etc$ ls -S  
ld.so.cache libblockdev passwd  
mailcap libnl-3 passwd-  
brltty.conf libpaper.d gai.conf  
mime.types libreoffice sysctl.conf  
ltrace.conf lightdm bash.bashrc  
services linuxmint request-key.conf  
sensors3.conf logcheck ethertypes  
login.defs logrotate.d inputrc  
nanorc lvm lintianrc  
locale.gen menu-methods usb_modeswitch.conf  
pnm2ppa.conf ModemManager shadow  
ca-certificates.conf modprobe.d shadow-  
ca-certificates.conf.dpkg-old modules-load.d rsyslog.conf  
hddtemp.db mysql kerneloops.conf  
manpath.config netplan ucf.conf  
hdparm.conf network group  
wgetrc networkd-dispatcher group-  
gamemode.ini NetworkManager crontab  
acpi newt gshadow  
alsa openal gshadow-  
alternatives openvpn rpc  
apm opt mke2fs.conf
```

Question 5 (1 pt): Give the command to list the files with the word 'switch' in them.

```
$ ls -d *switch*
```

Question 6 (2 pts): Change to your home (~) folder. Perform this command:

```
echo 'cat /proc/cpuinfo' > example3.
```

Find the permissions to the file example3 and write it down.

```
$ ls example3 -l
```

Question 7 (3 pts): Change the mode of example3 to execute. Give the complete command.

Execute it using ./example3. Copy and paste the contents.

```
emily@emily-Inspiron-5584: ~  
File Edit View Search Terminal Help  
emily@emily-Inspiron-5584:~$ ./example3  
processor      : 0  
vendor_id     : GenuineIntel  
cpu family    : 6  
model         : 142  
model name    : Intel(R) Core(TM) i7-8565U CPU @ 1.80GHz  
stepping      : 11  
microcode     : 0xf0  
cpu MHz       : 1308.629  
cache size    : 8192 KB  
physical id   : 0  
siblings      : 8  
core id       : 0  
cpu cores     : 4  
apicid        : 0  
initial apicid : 0  
fpu           : yes  
fpu_exception : yes  
cpuid level   : 22  
wp            : yes  
flags         : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov  
pat pse36 clflush dts acpi mmx fxsr sse sse2 ss ht tm pbe syscall nx pdpe1gb rdt  
scp lm constant_tsc art arch_perfmon pebs bts rep_good nopl xtopology nonstop ts  
c cpuid aperfmperf pni pclmulqdq dtes64 monitor ds_cpl vmx est tm2 ssse3 sdbg fm  
a cx16 xtpr pdcm pcid sse4_1 sse4_2 x2apic movbe popcnt tsc_deadline_timer aes x  
save avx f16c rdrand lahf_lm abm 3dnowprefetch cpuid_fault epb invpcid_single ss  
bd ibrs ibpb stibp tpr_shadow vnmi flexpriority ept vpid ept_ad fsgsbase tsc_adj  
ust bmi1 avx2 smep bmi2 erms invpcid mpx rdseed adx smap clflushopt intel_pt xsa  
veopt xsavec xgetbv1 xsaves dtherm ida arat pln pts hwp hwp_notify hwp_act_windo  
w hwp_epp md_clear flush_lld arch_capabilities  
bugs          : spectre_v1 spectre_v2 spec_store_bypass mds swapsg itlb_multih  
it srbds mmio_stale_data retbleed  
bogomips      : 3999.93  
clflush size   : 64  
cache alignment : 64  
address sizes  : 39 bits physical, 48 bits virtual  
power management:  
  
processor      : 1  
vendor_id     : GenuineIntel  
cpu family    : 6  
model         : 142  
model name    : Intel(R) Core(TM) i7-8565U CPU @ 1.80GHz  
stepping      : 11  
microcode     : 0xf0  
cpu MHz       : 1151.585  
cache size    : 8192 KB
```