1)

```
melikamohammadifakhar-99522086@ubuntu: ~
To run a command as administrator (user "root"), use "sudo <
command>".
See "man sudo_root" for details.

melikamohammadifakhar-99522086@ubuntu:~$ echo -e "Student_Id
\tLast_Name\tFirst_Name\tGrade" > grade.txt
melikamohammadifakhar-99522086@ubuntu:~$ cat grade.txt
Student_Id      Last_Name       First_Name      Grade
```

```
melikamohammadifakhar-99522086@ubuntu:~$ echo -e "9952
2086\tMohammadi\tMelika\t18\t" >> grade.txt
melikamohammadifakhar-99522086@ubuntu:~$ echo -e "9952
2185\tNaebZadeh\tAylin\t19\t" >> grade.txt
melikamohammadifakhar-99522086@ubuntu:~$ echo -e "9952
1118\tBehroozi\tMaryam\t17\t" >> grade.txt
melikamohammadifakhar-99522086@ubuntu:~$ cat grade.txt
Student_Id      Last_Name       First_Name        Grade
99522086        Mohammadi       Melika   18
99522185        NaebZadeh       Aylin    19
99521118        Behroozi        Maryam   17
99522086        Mohammadi       Melika   18
99522185        NaebZadeh       Aylin    19
99521118        Behroozi        Maryam   17
```

2)

```
melikamohammadifakhar-99522086@ubuntu:~$ cd ~
melikamohammadifakhar-99522086@ubuntu:~$ cat > text.txt
Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
^C
melikamohammadifakhar-99522086@ubuntu:~$ cat text.txt
Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
melikamohammadifakhar-99522086@ubuntu:~$ cat /etc/passwd >> text.txt
melikamohammadifakhar-99522086@ubuntu:~$ cat text.txtSunday
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
```

3)

```
melikamohammadifakhar-99522086@ubuntu:~$ cd /etc/
melikamohammadifakhar-99522086@ubuntu:/etc$ ls -a
.                          host.conf              ppp
..                         hostname               profile
acpi                       hosts                  profile.d
adduser.conf               hosts.allow            protocols
alternatives               hosts.deny             pulse
anacrontab                 hp                     .pwd.lock
apg.conf                   ifplugd                python
apm                        iftab                  python2.7
apparmor                   ImageMagick-6          python3
apparmor.d                 init                   python3.5
apport                     init.d                 rc0.d
appstream.conf             initramfs-tools        rc1.d
apt                        inputrc                rc2.d
aptdaemon                  insserv                rc3.d
at-spi2                    insserv.conf           rc4.d
avahi                      insserv.conf.d         rc5.d
bash.bashrc                iproute2               rc6.d
bash_completion            issue                  rc.local
bash_completion.d          issue.net              rcS.d
bindresvport.blacklist     kbd                    resolvconf
binfmt.d                   kernel                 resolv.conf
bluetooth                  kernel-img.conf        rmt
brlapi.key                 kerneloops.conf        rpc
brltty                     ldap                   rsyslog.conf
brltty.conf                ld.so.cache            rsyslog.d
ca-certificates            ld.so.conf             sane.d
ca-certificates.conf       ld.so.conf.d           securetty
calendar                   legal                  security
chatscripts                libao.conf             selinux
compizconfig               libaudit.conf          sensors3.conf
console-setup              libnl-3                sensors.d
```

```
melikamohammadifakhar-99522086@ubuntu:/etc$ cd ..
melikamohammadifakhar-99522086@ubuntu:/$ cd ~
melikamohammadifakhar-99522086@ubuntu:~$ ls /etc | grep "init"
init
init.d
initramfs-tools
```

4)

```
melikamohammadifakhar-99522086@ubuntu:~$ head -n 10 /etc/passwd | cut -d ':' -f
1-7 --output-delimiter=$'\t'
root    x    0    0        root    /root      /bin/bash
daemon  x    1    1        daemon  /usr/sbin          /usr/sbin/nologin
bin     x    2    2        bin     /bin       /usr/sbin/nologin
sys     x    3    3        sys     /dev       /usr/sbin/nologin
sync    x    4    65534    sync    /bin       /bin/sync
games   x    5    60       games   /usr/games         /usr/sbin/nologin
man     x    6    12       man     /var/cache/man     /usr/sbin/nologin
lp      x    7    7        lp      /var/spool/lpd     /usr/sbin/nologin
mail    x    8    8        mail    /var/mail          /usr/sbin/nologin
news    x    9    9        news    /var/spool/news    /usr/sbin/nologin
melikamohammadifakhar-99522086@ubuntu:~$
```

5)

```
melikamohammadifakhar-99522086@ubuntu:~$ tail -n 10 /etc/group | cut -d ':' -f 1
| wc -c
104
melikamohammadifakhar-99522086@ubuntu:~$
```