Chapter 4

```
ls -l
ls -ld
```

Output:

1. data blocks - Wenn auf Directory angwendet das leer ist, kein output
2. i-node

```
-bash: syntax error near unexpected token `in'
21170004@comunix:~$ ls -i
      75513 aa                74983 error.txt          74777 local.login
      75515 aa.txt            75527 errorlink.txt       74774 local.profile
      75511 dead.letter        74990 g.txt              74986 mbox
      74982 dira              74981 hi.txt              74991 out.txt
      75516 dirb              74981 hlink.txt
      74992 err.txt           74773 local.cshrc
21170004@comunix:~$ ls -ld
drwxr-xr-x   4 21170004 studs            22 Mar 23 00:53 .
```

```
od -x hi.txt
```

Output:

```
21170004@comunix:~$ od -x hi.txt
0000000 6568 6c6c 0a6f 6968 000a
0000011
```

File Contents in hexadecimal
-c: in asci

```
find /export/home -name 'hi.txt'
2> /dev/null
```

1. Finds all hi.txt files in directory
2. `2> /dev/null` omits error output o for access denied

```
find / -name core -exec rm {} \;
```

Removes files (- exec ls lists all found, etc)

-ok statt -exec: Fragt, ob das file genommen werden soll

```
chmod 644 hi.txt
chmod u+x,g=rw-,o-r hi.txt
```

644: u=rw, g=r--,o=r-- 755: u=rwx,g=r-x,o=r-x

+fügt berechtigung hinzu -nimmt Berechtigung weg

```
umask 022
```

Defines masking for permissions

```
df -k
```

Shows disk free size (partition)

```
du -sk *
```

Shows disk usage size (directory)

```
mount

-t device_name mount_point
```

Shows mounted partitions + status with options: mounts new partition

```
mountall
```

Mounts all file systems defined in /etc/vfstab

```
unmount <device>

unmountall
```

Unmounts device