**From installation instruction**

**man**

**ls**

**cd**

**mkdir**

**rm**

**tar**

**gedit**

**less**

**cat**

**sudo**

**apt**

**gcc**

**make**

**find**

**grep**

**~**

**.**

**..**

**from lecture**

< file

> new-file

1> new-file

>> append-to-file

2> new-error-file

>& new-combi-file

Kommando1 | Kommando2 | Kommando3

Kommando1 ; Kommando2 ; Kommando3

Kommando1 && Kommando2 && Kommando3

Kommando1 || Kommando2 || Kommando3

Kommando &

~/

~name/

./

../

pwd

cd

ls

find

\*

?

[...]

man man

man Kommando

man Kapitelnummer Kommando

man –k Stichwort

Kommando --help

Kommando –h

man bash

help

History, recall, editing command line

Environment, Variablen, Environment-Vererbung, config files (initial vars)

PATH, type/which

Variable Substitution, quoting

File creation/deleting: touch, rm, > file, mkdir

File content: cat, less, od

File name search: file -name -exec

File content search: grep, egrep, sort, uniq, comp, diff, awk, perl, python, …

Text manipulation: sed, cut, join, awk, perl, python, …

Archivierung: tar, zip, cpio, dd, uucp, …

She-bang, script (chmod, ./script, sub-shell)

Debug bash (-x)

./get-exec-list-arg.sh | cut -d: -f1,2 | sort -u

3:/usr/sbin

4:/usr/bin

5:/sbin

6:/bin

7:/usr/games

# objectives

# - what is "environment"

# - what is $PATH for

# - bash quoting

# - control flow: for in, if, test

# - what is find for

# given as explanation

# - some find syntax

# - some test syntax

# please explain