last

```
-<number>                    how many lines to show

 -a   --hostlast             display hostnames in the last column

 -d   --dns                  translate the IP number back into a hostname

 -f   --file <file>          use a specific file instead of /var/log/wtmp

 -F   --fulltimes            print full login and logout times and dates

 -i   --ip                   display IP numbers in numbers-and-dots notation

 -n   --limit <number>       how many lines to show

 -R   --nohostname           don't display the hostname field

 -s   --since <time>         display the lines since the specified time

 -t   --until <time>         display the lines until the specified time

 -p   --present <time>       display who were present at the specified time

 -w   --fullnames            display full user and domain names

 -x   --system               display system shutdown entries and run level changes

      --time-format <format>

                             show timestamps in <format>:  notime|short|full|iso

 -h   --help                 display this help and exit

 -V   --version              output version information and exit
```

lastlog

Usage: lastlog [options]

```
 -b --before DAYS            print only lastlog records older than DAYS

 -h --help                   display this help message and exit

 -R --root CHROOT_DIR        directory to chroot into

 -t --time DAYS              print only lastlog records more recent than DAYS

 -u --user LOGIN             print lastlog record of the specified LOGIN
```

$ echo "PARAMS"

```bash
#! /bin/bash

ARG1=${args[1]}

if ! [[ $# == 1 ]];
then
  echo ERROR: YOU MUST PROVIDE EXACTLY ONE ARGUMENT. "$# ARGUMENTS"...
  exit 1
fi


filename=$1
```

|| CONDITIONAL

```bash
if [ -e $filename ] || [ -d $filename ];
then
  if [ -x $filename ];
    then echo ""\""$*"\" is executable.
    else echo ERROR: $* IS NOT EXECUTABLE. CONTACT CUIT...
    exit 3
  fi
else echo ERROR: $* DOES NOT EXIST.
  exit 2
fi
```

```
for x in `cat $1`
do
    NEW_UID=$(echo $x | cut -d: -f1)
    NEW_USER=$(echo $x | cut -d: -f2)
```

FILE HUNTER [isexecutable.sh]

```bash
#! /bin/bash

ARG1=${args[1]}

if ! [[ $# == 1 ]];
then
  echo ERROR: YOU MUST PROVIDE EXACTLY ONE ARGUMENT. "$#
ARGUMENTS"...
  exit 1
fi

filename=$1

if [ -e $filename ] || [ -d $filename ];
then
  if [ -x $filename ];
    then echo ""\""$*"\" is executable.
    else echo ERROR: $* IS NOT EXECUTABLE. CONTACT CUIT...
    exit 3
  fi
else echo ERROR: $* DOES NOT EXIST.
  exit 2
fi
```

USER HUNTER [mylast.sh]

```bash
#!/bin/bash

ARG0=$USER

if [ $# -ne 1 ];
then
    last $ARG0
    exit $status
fi

Username=$1 > /dev/null
Usercode=$(id -u $1 2> /dev/null)

if [ $Usercode > 0 ] 2> /dev/null;
then
  last $Username
  exit $Usercode
  else
    echo User ""\""$Username"\" "doesn't exist."
    exit 1
fi
```