

countdown script

countdown

```
#!/bin/bash
#
#####
#####
#
# countdown : bash script to visually count down a specified number of
seconds
#
#####
#####
#
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02111-1307, USA.
#
#####
#####
#
MY_NAME=countdown
MY_VERSION=1.1
MY_RELDATE=2000-07-06
MY_AUTHOR_NAME="Roy Batty"
MY_AUTHOR_MAIL="roybatty@altavista.net"
#
#####
#####
#
STAMP=/tmp/.stamp.$USER.$$
#
function init_timer() {
    [ -f $STAMP.stop ] && rm -f $STAMP.stop 2>/dev/null
    echo S=`date +%s` >$STAMP
}
function run_timer() {
    while [ ! -f $STAMP.stop ]; do
        echo S=`date +%s` >$STAMP
    done
}
```

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    sleep 1
done
rm -f $STAMP $STAMP.stop
}
function stop_timer() {
    touch $STAMP.stop
}
function clean_exit() {
    stop_timer
    echo " "
    echo "Terminated."
    mplayer $HOME/.bin/Alarmclock-mechanical.ogg
    trap "" 0 1 3 5 9 15
    exit 0
}
function syntax_error() {
    cat <<-EOF 1>&2

    $MY_NAME $MY_VERSION ($MY_RELDATE) - bash script to visually count
down
    Copyright 2000: $MY_AUTHOR_NAME <$MY_AUTHOR_MAIL>
    Usage:

    $0 [[h] m] s
        counts down h hours, m minutes and s seconds

    EOF
    exit 1
}
function get_diff() {
    let DIFF=0
    [ "$1" = "" -o "$4" != "" ] && syntax_error
    while [ "$1" != "" ]; do
        let p=0
        [ "$1" != "0" ] && ! let p=$1 2>/dev/null && syntax_error
        [ $p -lt 0 ] && syntax_error
        let DIFF=$DIFF*60+$p
        shift
    done
}
function display_nice() {
    local s=$1; local h=0; local m=0; ni=""
    [ $s -ge 3600 ] && let h=$[ s/3600 ] && let s=$[ s%3600 ]
    [ $s -ge 60 ] && let m=$[ s/60 ] && let s=$[ s%60 ]
    [ $h -lt 10 ] && ni="0"; ni="$ni$h:"
    [ $m -lt 10 ] && ni="{ni}0"; ni="$ni$m:"
    [ $s -lt 10 ] && ni="{ni}0"; ni="$ni$s"
    echo -n "$ni"
}
#
# main script

```

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#
get_diff $*
trap clean_exit 0 1 3 5 9 15
echo "$MY_NAME $MY_VERSION ($MY_RELDATE) - Counting down `display_nice
$DIFF` [hrs:min:sec]"
if [ $DIFF -le 0 ]; then
    echo "Nothing to do." 1>&2
    exit 2
fi
echo " Elapsed | Remaing. | Complete"
let START=`date +%s`
declare -a HASH=( [0]=". " [1]="o " [2]="0 " [3]="- " )
compl="#####"
blank=" "
let ha=0
init_timer
run_timer &
while true; do
    . $STAMP
    let R=$DIFF-$S+$START
    if [ $R -gt 0 ]; then
        echo -n "${HASH[$ha]}`display_nice $[ $DIFF-$R ]` | `display_nice
$R` | "
        let P=$(( $S-$START ) * 100 / $DIFF )
        echo -ne "[${compl:0:P/2}${blank:0:50-P/2}] $P%\r"
    else
        echo -n "${HASH[$ha]}`display_nice $DIFF` | `display_nice 0` | "
        echo -ne "[${compl}] 100%\r"
        clean_exit
    fi
    let ha=$(( ha+1 ) % 4 )
    sleep 1
done
```

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