

### Introduction

I know the tools and their syntax, but I don't use them every day. When I do, I often feel like I'm starting from scratch. I hope the following snippets - partially or combined - help me get an idea and start faster in finding a solution. Maybe they'll help you too?!

Just try them out and see what you get :)

Made with current versions in 2025 (Ubuntu LTS <https://ubuntu.com>; GNU utilities for Windows <https://unxutils.sourceforge.net>).

### AWK (octal, hex)

| From:      | To:          |
|------------|--------------|
| yin & yang | yin and yang |

**Lnx:** echo -e yin '\0046' yang | awk '{gsub(/\x26/, "and"); print \$0}'

**Win:** echo.exe yin \046 yang | gawk.exe "{gsub(/\x26/, \"and\"); print \$0}"

### SED (octal, hex)

| From:      | To:          |
|------------|--------------|
| yin & yang | yin and yang |

**Lnx:** echo -e yin '\0046' yang | sed 's/\x26/and/'

**Win:** echo.exe yin \046 yang | sed.exe "s/\x26/and/"

### AWK (Conditions)

| From: | To:       |
|-------|-----------|
| 1     | Line 2: 2 |
| 2     | Line 3: 3 |
| 3     | Line 5: 5 |
| 4     |           |
| 5     |           |

**Lnx:** echo -e '1\n2\n3\n4\n5' | awk '{if(\$0 > 1 && \$0 <= 5 && NR != 4) print "Line " NR ": " \$0}'

**Win:** echo.exe 1\n2\n3\n4\n5 | gawk.exe "{if(\$0 > 1 && \$0 <= 5 && NR != 4) print \"Line \" NR \": \" \$0}"

### AWK (Substring)

| From:         | To:            |
|---------------|----------------|
| www.google.de | www.google.com |
|               | google         |
|               | go-away        |

**Lnx:** echo www.google.com | awk 'BEGIN{FS="."}{print \$0; print \$2; print substr(\$2, 1, 2)"-away"}'

**Win:** echo.exe www.google.com | gawk.exe "BEGIN{FS=\".\"}{print \$0; print \$2; print substr(\$2, 1, 2)\"-away\"}"

### SED (Substring)

| From:         | To:     |
|---------------|---------|
| www.google.de | go-away |

**Lnx:** echo www.google.com | sed 's/^\.\*\.(.\*)\.\*\$/\1-away/'

**Win:** echo.exe www.google.com | sed.exe "s/^\.\*\.(.\*)\.\*\$/\1-away/"

## AWK (System call)

**From:** **To:**  
Time: Time: hh:mm

**Ln:** echo "Time: " | awk '{system("date +%R" | getline m); print \$0 m}' 2>/dev/null  
**Win:** echo.exe Time: | gawk.exe '{system("\time /\t" | getline m); print \$0 m}' 2>NUL

## AWK (Substitution, multiple)

**From:** **To:**  
E4-54-E8-6D-31-AA [subst cnt] e4:54:e8:6d:31:aa

**Ln:** echo E4-54-E8-6D-31-AA | awk '{print gsub("-", "."); print tolower(\$0)}'  
**Win:** echo.exe E4-54-E8-6D-31-AA | gawk.exe '{print gsub("-", "\."), "\."); print tolower(\$0)}'

## SED (Substitution, multiple)

**From:** **To:**  
E4-54-E8-6D-31-AA e4:54:e8:6d:31:aa

**Ln:** echo E4-54-E8-6D-31-AA | sed 's/-/./g; s/^\.\*)\$/L&/'  
**Win:** echo.exe E4-54-E8-6D-31-AA | sed.exe "s/-/./g; s/^\.\*)\$/L&/'"

## AWK (printf)

**From:** **To:**  
dummy1-dummy2 Six \ Two = 3.00  
123456789 123456 1234567

**Ln:** echo dummy1-dummy2 | awk 'BEGIN{FS="-"; equ="="; bsl="\\"}{V1="Six"; V2="Two"; V3=3; printf(" %+9s %s %-6s %s %7.2f\n", V1, bsl, V2, equ, V3)}END{print "-123456789---123456---1234567"}'  
**Win:** echo.exe dummy1-dummy2 | gawk.exe "BEGIN{FS=\"-\"; equ=\"=\"; bsl=\"\\\"}{V1=\"Six\"; V2=\"Two\"; V3=3; printf(\" %+9s %s %-6s %s %7.2f\n\", V1, bsl, V2, equ, V3)}END{print \"-123456789---123456---1234567\"}"

## VIM (Sort File, System Call)

**From:** **To:**  
bravo alpha  
delta bravo  
alpha bravo  
bravo charlie  
charlie delta  
echo echo  
foxtrot echo  
echo echo  
echo foxtrot

**Ln/Win:** :1,\$ !sort

## VIM (Remove Duplicate Lines in a Sorted File)

| From:   | To:     |
|---------|---------|
| alpha   | alpha   |
| bravo   | bravo   |
| bravo   | charlie |
| charlie | delta   |
| delta   | echo    |
| echo    | foxtrot |
| echo    |         |
| echo    |         |
| foxtrot |         |

**Lnx/Win:** :%s/^\(.\*\)(\n1\))+\$/\1/

## VIM (Rearrangement, Assign States to Regions)

| From:                   | To:                                                         |
|-------------------------|-------------------------------------------------------------|
| AMER <i>tab</i> Canada  | AMER <i>tab</i> Canada                                      |
| APAC <i>tab</i> China   | APAC <i>tab</i> China <i>tab</i> Japan                      |
| APAC <i>tab</i> Japan   | EMEA <i>tab</i> Lebanon <i>tab</i> Senegal <i>tab</i> Spain |
| EMEA <i>tab</i> Lebanon |                                                             |
| EMEA <i>tab</i> Senegal |                                                             |
| EMEA <i>tab</i> Spain   |                                                             |

**Lnx/Win:** :%s/^\(.\*\)(\n1\)+\t(.\*\$)/\1\t2\t4/ [Repeat until "Pattern not found"]

## Some Bash script

```
#!/usr/bin/bash
hh=`date +%H`
echo "Current hour:" $hh
read -p 'Hour to search for (x=Exit)? : ' hour
echo $hh | grep "\<$hour\>" >/dev/null
RetCode=$?
if [ $hour == "x" ]; then
    exit
elif [ $RetCode -eq 0 ]; then
    echo "$hh eq $hour Hit"
elif [ $RetCode -eq 1 ]; then
    echo "$hh neq $hour noHit"
fi
a=`expr $hour + 1`
echo -e "$hour + 1 =" $a "\n"
```

### Some Batch script

```
@echo off
cls
set hh=%time:~-11,2%
if %hh% LSS 10 set hh=0%time:~-10,1%
echo Current hour: %hh%
set /P hour=Hour to search for (x=Exit)?:
if [%hour%]==[x] goto :EOF
echo %hh% | find "%hour%" >NUL
if errorlevel 1 echo %hh% neq %hour% noHit
if not errorlevel 1 echo %hh% equ %hour% Hit
for /f %%d in ('date /T') do set dat=%%d
echo %dat%
if %dat% NEQ "01.01.1970" set /a sum=1+1
echo 1+1=%sum%
pause
```

### Some Vim script

```
" Execute: vim -S this.script
:function! IN()
:  call inputsave()
:  let @i = input('Hour to search for?: ')
:  call inputrestore()
:endifunction
:let hh=strftime("%H")
:echo "Current hour:" hh
:call IN()
:let hour = @i
:if hh == hour
:  echo "\n" hh "equ" hour "Hit"
:elseif hh != hour
:  echo "\n" hh "neq" hour "noHit"
:endif
:let a = hour + 1
:echo hour "+ 1 =" a
```

### Important note!

Please be careful with unwanted spaces and similar issues when copying and pasting!



By **Rudi (Rudi)**  
[cheatography.com/rudi/](https://cheatography.com/rudi/)

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