Cheatography

CMD Cheat Sheet

by solsolsol via cheatography.com/32070/cs/9824/

DIR [path] [/A:attrib] [/O:sort] [opt]

path	display specific folder (c:\...)
/A	:H(iden) :D(folder) :A(ll)...
/O	:N :S :E(xt) :D(ate)
options	/S(all sub fold)/B(que le nom)

DIR abcd* /s /b
search for filename starting with abcd in current and all subs & display path only

DIR *abcd* /s /b
search for filenames containing abcd in current and all subs & display path only

DIR *.bat	search for *.bat files

ATTRIB [+attr | -attr] [path]\file [opt]

DIR-like qui display les fichiers + leurs attrib.

ATTRIB	*display [Attribs] [path of file]*
[+X | -X]	*set attrib:* R(eadOnly),H(idden)
/S	*set matching file in current and all sub fol*
/D	*process folder as well*

TYPE [PATH]\random.txt (MORE)

Display text file	.txt .py .c ...

MORE is TYPE in better

MD nomfichier (MKDIR)

Crée un nouveau fichier

MD do re mi	crée ces 3 fichier dans le CD
MD [path]\re	crée le fichier re dans [path]
MD \do\re\mi	crée l'arbo ..\do\re\mi

RD nomfichier (RMDIR)

Delete folder

RD \do\re\mi	del mi in ..\do\re\mi
RD /S \do	after asking, del folders tree

COPY (files not folders)

COPY = Copy & past

COPY src.doc newfile.doc
Copy a file in the current folde

COPY src.txt c:\somwhere\else\new.txt
Copy from location to smhr else

COPY c:\temp\src.txt c:\doc\new.txt
Copy from some folder to another folder

COPY c:\mywork*.doc
Copy all the *.doc into current directory

COPY d:\work\oldfile.wp
Copy to current, keep smpe fname

COPY **"c:\bull shit\calu ca va.txt"**
If spaces in names use quotes " "

DEL [path]\file

Delete one or more files

DEL [path]\do.txt	*del do.txt in [path]*

DEL [path]\do.txt [path]\re.txt [path]\mi.txt
del do.txt, re.txt and mi.txt (can be != loc)

DEL /S c:\test	*del all files in ..\test*

MOVE (folders or file)

MOVE = cut & past

MOVE oldfile.wp newfile.doc
In the current folde

MOVE c:\temp\old.wp c:\work\new.doc
from specific place to antoher

MOVE (folders or file) (cont)

MOVE c:\temp\oldfile.wp
move the file to current (keep same fname)

create/manip text files (txt,py,c...)

type NUL>new.txt	*make empty new txt file*
echo bla>new.txt	*make new.txt with bla*
echo bla>>old.txt	*add "bla" to old.txt*

SET

Display, set or remove CMD env var. Changes made with SET will remain only for the duration of the current CMD session.

c:\>**SET** var=poke
c:\>echo %var%
poke

c:\>**SET** var=c:\test
c:\>echo %var%
c:\test
c:\>cd %var%
c:\test>_

/A=opérations

SET /A nb=**3**
SET /A nb=%nb%+**1**
echo %nb% ➞ **4**

/P=prompt user

SET /P var=[prompt string]

divers:

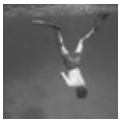
SET var=one two	OK

Redirection

cmd > filename dir>new.txt	redirect cmd output>file
cmd >> filename	append into a file
cmd < filename sort<rand.txt	sort file & print result
cmdA & cmdB	run cmdA then cmdB

cmdA && cmdB
run cmdA, if it suceeds then run cndB

cmdA || cmdB
run cmdA, if it fails then run cmdB



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Redirection (cont)

cmdA && cmdB || cmdC
If cmdA succeeds run cmdB, if it fails cmdC

Arguments/Parametres (batch)

Utile pour les scriptes avec paramètres

c:\>printVar.bat **viande rouge**
viande rouge
c:\>_
le fichier batch contient:
set arg1=**%1**
set arg2=**%2**
echo %arg1% %arg2%

%0-9

Comparaisons

NEQ (!=)	**EQU** (==)
LSS (<)	**LEQ** (<=)
GTR (>)	**GEQ** (>=)

Divers

REM comment...	comment
date /t	display date
time /t	display time
cls	clear screen
@echo off (batch)	turn off print of each line

set /A n=%random% %%100 +1
n=random n [1;100]

FINDSTR

FINDSTR "Joe" Contacts.txt
recherche la str **Joe** dans *Contacts.txt*

FINDSTR /C:"Joe Poulet" Contacts.txt
"/C:" n'est pas une adresse c'est une option (inclue l'espace dans la recherche de str)

FINDSTR /S /I "work" *.*
search in every file and filename in current and subs for the word **work**

OPTIONS: /S(search in subs) **/I**(ignore case)
/A:2f (filenames in colour (2f is the colour))

Precurseurs

setlocal EnableDelayedExpansion
set i=2
echo %elem{%i%]%
Doesn't give the desired result because it means: show the value of the elem [variable, followed by i, followed by the value of the] variable. To solve this problem you must use Delayed Expansion: Enclose index variables in percent symbols, and enclose the array elements in exclamation marks:

set elem[1]=First element
set elem[2]=Second one
set elem[3]=The third one
set i=2
echo !elem[%i%]!

setlocal EnableExtensions

ex1 creevar.bat [nomvar] [valvar]

```
@echo off
setlocal Enable Del aye dEx -
pansion
if " 2"== " " goto erreur
set %1==%2
goto reussi
:erreur
       echo parametre manquant
       goto fin
:reussi
       echo variable definie
        set%1
       echo la variable %1 est
definie et vaut !%1!
:fin
```

ex2 loop print liste

```
@echo off
for /L %%i IN (1,1,10) do echo
%%i
```

ex3 affiche nombres entre 1 et N

```
@echo off
:debut
       set /P saisie =nombre
plus grd que 0 svp:
       set /A valeur =%s aisie%
       if %valeur% LEQ 0 goto
erreur
       for /L %%i IN (1,1,% -
val eur%) DO echo %%i
       goto fin
:erreur
       echo plus grd que 0
       goto debut
:fin
```

ex 4 guess number

```
@echo off
set /A n=%random% %%100 + 1
set essais=0
:boucle
        echo. //empty line
       set /A essais =es sais+1
       set /P m="[ %es sais%] nb
entre 1 et 100:"
       if %m%==%n% goto trouve
       if %m%==[?] goto abandon
       if %m%LSS%n% echo %m%
trop petit
       if %m%GTR%n% echo %m%
trop grd
goto boucle
:trouve
       echo gg %m% est la bonne
reponse
       goto fin
:abandon
       echo Abandon. Le nm
etait: %n%
:fin
```


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Ex 5 disp nb entre 1 et n&carre&cube

```
@echo off
setlocal Enable Del aye dEx -
pansion
setlocal Enable Ext ensions
:debut
set /P saisie=n plus grd que 0:
set /A valeur =%s aisie%
if %valeur% LEQ 0 goto erreur
for /L %%i in (1,1,% val eur%)
do (
       set /a carre=%%i * %%i
       set /a cube=! carre! *
%%i
       echo %%i !carre! !cube!
)
goto fin
:erreur
       echo un nb + grd que 0
       goto debut
:fin
```

ex6 tri d'une série de mots

```
@echo off
setlocal Enable Del aye dEx -
pansion
setlocal Enable Ext ensions
echo " Exp lic ati ons "
set nombre _mots=1
if exist mots.txt del mots.txt
:saisie
       set mots=
       set /P mots="[ %no mbr -
e_m ots%] "
       if " %mo ts% " == " "
goto fin_saisie
       echo %mots% >> mots.txt
       set /A nombre _mo ts= -
nom bre _mots+1
       goto saisie
:fin_s aisie
        echo.
       echo ===Liste entree au
clavier===
```

ex6 tri d'une série de mots (cont)

```
>    type mots.txt
   echo ===Liste triee============
   sort mots.txt
   echo ===Listre triee inv ========
   sort /r mots.txt
```

ex7 recherche avancée en fonction param à l'exec

```
setlocal EnableDelayedExpansion
setlocal Enable Ext ensions
echo Ligne de commande: %0 %*
if " %2"= ="" goto erreur Param
//veri fic ation para
if " %1"= ="" goto erreur Param
//''
set dossier=%1
if exist %dossi er%NUL goto
dossie r_e xiste
set dossie r=%1\
if exist %dossi er%NUL goto
dossie r_e xiste
goto erreur _do ssier
:dossi er_ existe
       echo Scanning ...
       dir /S /B %dossi er%^%2
>li ste.txt
       echo Repert oire:
%dossier%
       echo Fichier: %2
        Liste des fichiers
trouves:
       type liste.txt
       echo Nombre de fichiers:
       type liste.txt | find /C
/V " "
       goto fin
:erreu r_d ossier
       echo %1 n'existe pas
       goto fin
:erreu r_param
       echo Parametres manquants
       goto fin
:fin
```



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