

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

path display specific folder (c:\...)  
 /A :H(idden) :D(folder) :A(II)...  
 /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 crée l'arbo ..\do\re\mi  
 \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:\somewhere\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>ne- *make empty new txt*  
 w.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** redirect cmd output>file  
 dir>new.txt

**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 succeeds then run cmdB

**cmdA || cmdB**

run cmdA, if it fails then run cmdB



### 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 =ess 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
```



### 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_saisie
    echo.
    echo ===Liste entree au
clavier===
```

### ex6 tri d'une série de mots (cont)

```
> type mots.txt
echo ===Liste trie=====
sort mots.txt
echo ===Listre trie 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
```

