

### 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:\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 frame)

### 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 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

cmdA && cmdB || cmdC

If cmdA succeeds run cmdB, if it fails cmdC

### Arguments/Parametres (batch)

Utile pour les scripts 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 EnableDelayedExpansion
```

```
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=%saisie%
```

```
    if %valeur% LEQ 0 goto erreur
```

```
    for /L %%i IN (1,1,%valeur%) 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=essais+1
```

```
    set /P m="[%essais%] 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 EnableDelayedExpansion
setlocal EnableExtensions
:debut
set /P saisie=n plus grd que 0:
set /A valeur=%saisie%
if %valeur% LEQ 0 goto erreur
for /L %i in (1,1,%valeur%) 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 EnableDelayedExpansion
setlocal EnableExtensions
echo "Explications"
set nombre_mots=1
if exist mots.txt del mots.txt
:saisie
    set mots=
    set /P mots "[%nombre_mots%] "
    if "%mots%" == "" goto
fin_saisie
    echo %mots% >> mots.txt
    set /A
nombre_mots=nombre_mots+1
    goto saisie
:fin_saisie
    echo.
    echo ===Liste entree au
clavier===
    type mots.txt
```

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

```
    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 EnableExtensions
echo Ligne de commande: %0 %*
if "%2"==" " goto erreurParam
//verification para
if "%1"==" " goto erreurParam //'
set dossier=%1
if exist %dossier%NUL goto
dossier_existe
set dossier=%1\
if exist %dossier%NUL goto
dossier_existe
goto erreur_dossier
:dossier_existe
    echo Scanning ...
    dir /S /B %dossier%^%2
>liste.txt
    echo Repertoire: %dossier%
    echo Fichier: %2
    Liste des fichiers trouves:
    type liste.txt
    echo Nombre de fichiers:
    type liste.txt | find /C /V ""
    goto fin
:erreur_dossier
    echo %1 n'existe pas
    goto fin
:erreur_param
    echo Parametres manquants
    goto fin
:fin
```