

```
DELL@DESKTOP-8NOG904 MINGW64 ~
$ ls
[开始] 菜单@
20220610_121036.mp4
20220610_121905.mp4
20220610_121948.mp4
20220610_152520.mp4
'3D Objects'/
Alice3/
AppData/
'Application Data'@
Contacts/
Cookies@
Desktop/
Documents/
Downloads/
Favorites/
IntelGraphicsProfiles/
Links/
'Local Settings'@
Music/
'My Documents'@
NetHood@
NTUSER.DAT
ntuser.dat.LOG1
ntuser.dat.LOG2
NTUSER.DAT[a2332f18-cdbf-11ec-8680-002248483d79].TM.blf
NTUSER.DAT[a2332f18-cdbf-11ec-8680-002248483d79].TM.Container00000000000000000001.regtrans-ms
NTUSER.DAT[a2332f18-cdbf-11ec-8680-002248483d79].TM.Container00000000000000000002.regtrans-ms
```

```
DELL@DESKTOP-8NOG904 MINGW64 ~
$ pwd
/c/users/DELL
```

```
DELL@DESKTOP-8NOG904 MINGW64 ~
$ cd /

DELL@DESKTOP-8NOG904 MINGW64 /
$ ls
bin/   dev/   git-bash.exe*  LICENSE.txt    proc/          tmp/          unins000.exe*  usr/
cmd/   etc/   git-cmd.exe*   mingw64/       ReleaseNotes.html  unins000.dat  unins000.msg
```

```
/c/Users/DELL
https://gitcode.com/cueb-fintech/courses/blob/main/01-beginner/02.tutorial.md
D:\Alice 3|
```

```
DELL@DESKTOP-8NOG904 MINGW64 ~
$ ls -a
./
../
.conda/
.gitconfig
.idlerc/
.ipynb/
.ipynb/
.lesshst
.spss/
.ssh/
.vscode/
[开始] 菜单@
20220610_121036.mp4
20220610_121905.mp4
20220610_121948.mp4
20220610_152520.mp4
'3D Objects'/
Alice3/
AppData/
'Application Data'@
Contacts/
Cookies@
Desktop/
Documents/
Downloads/
Favorites/
IntelGraphicsProfiles/
```

```
DELL@DESKTOP-8NOG904 MINGW64 ~
$ ls Desktop/ Downloads/
Desktop/:
CodeBlocks.Lnk*      PowerPoint.Lnk*      WPS图片.Lnk*      粤开证券通达信版.Lnk*
desktop.ini          'StataMP-64 - 快捷方式.Lnk'*  百度网盘.Lnk*      中信证券至信新版.Lnk*
Excel.Lnk*           WampServer.Lnk*      夸克网盘.Lnk*
'JCreator LE.Lnk'*   Word.Lnk*            小黑课堂计算机二级Office题库.Lnk*
'Microsoft Edge.Lnk'* 'WPS Office.Lnk'*      迅雷.Lnk*

Downloads/:
desktop.ini          'WavesAudio.MaxxAudioProforDell2020_fh4rh281wavaa!App'/  Word.docx.tmp
```

```

DELL@DESKTOP-8NOG904 MINGW64 ~
$ ls -l
total 50832
-rwxr-xr-x 1 DELL 197121 58 2月 8 12:47 [开始] 菜单 -> '/c/Users/DELL/AppData/Roaming/Microsoft/Windows/Start
Menu/
-rwxr-xr-x 1 DELL 197121 8024888 6月 10 2022 20220610_121026.mp4
-rwxr-xr-x 1 DELL 197121 6358035 6月 10 2022 20220610_121905.mp4
-rwxr-xr-x 1 DELL 197121 10138751 6月 10 2022 20220610_121948.mp4
-rwxr-xr-x 1 DELL 197121 4685861 6月 10 2022 20220610_152520.mp4
-rwxr-xr-x 1 DELL 197121 0 9月 10 2021 '3D Objects'/
-rwxr-xr-x 1 DELL 197121 0 3月 7 2024 Alice3/
-rwxr-xr-x 1 DELL 197121 0 2月 10 19:57 AppData/
-rwxr-xr-x 1 DELL 197121 29 2月 8 12:47 'Application Data' -> '/c/Users/DELL/AppData/Roaming/
-rwxr-xr-x 1 DELL 197121 0 2月 10 20:05 Contacts/
-rwxr-xr-x 1 DELL 197121 57 2月 8 12:47 Cookies -> '/c/Users/DELL/AppData/Local/Microsoft/Windows/InternetCookies/
-rwxr-xr-x 1 DELL 197121 0 2月 10 20:05 Desktop/
-rwxr-xr-x 1 DELL 197121 0 3月 10 19:34 Documents/
-rwxr-xr-x 1 DELL 197121 0 2月 10 20:05 Downloads/
-rwxr-xr-x 1 DELL 197121 0 2月 10 20:05 Favorites/
-rwxr-xr-x 1 DELL 197121 0 3月 17 15:30 IntelGraphicsProfiles/
-rwxr-xr-x 1 DELL 197121 0 2月 10 20:05 Links/
-rwxr-xr-x 1 DELL 197121 27 2月 8 12:47 'Local Settings' -> '/c/Users/DELL/AppData/Local/
-rwxr-xr-x 1 DELL 197121 0 2月 10 20:05 Music/
-rwxr-xr-x 1 DELL 197121 23 2月 8 12:47 'My Documents' -> '/c/Users/DELL/Documents/
-rwxr-xr-x 1 DELL 197121 65 2月 8 12:47 NetHood -> '/c/Users/DELL/AppData/Roaming/Microsoft/Windows/Network Sho
rtnets/
-rwxr-xr-x 1 DELL 197121 17825792 3月 15 01:22 NTUSER.DAT
-rwxr-xr-x 1 DELL 197121 2162688 2月 8 12:47 ntuser.dat.LOG1
-rwxr-xr-x 1 DELL 197121 4451328 2月 8 12:47 ntuser.dat.LOG2

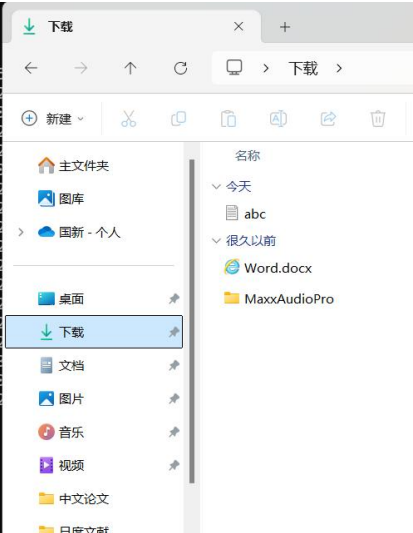
```

```

DELL@DESKTOP-8NOG904 MINGW64 ~/Desktop
$ ls -l
total 60
-rwxr-xr-x 1 DELL 197121 9 3月 17 16:5
-rwxr-xr-x 1 DELL 197121 701 11月 10 202
-rwxr-xr-x 1 DELL 197121 282 2月 10 20:0
-rwxr-xr-x 1 DELL 197121 2415 7月 19 202
-rwxr-xr-x 1 DELL 197121 1180 3月 1 202
-rwxr-xr-x 1 DELL 197121 2338 2月 10 20:0
-rwxr-xr-x 1 DELL 197121 2452 7月 19 202
-rwxr-xr-x 1 DELL 197121 926 4月 17 202
-rwxr-xr-x 1 DELL 197121 568 4月 25 202
-rwxr-xr-x 1 DELL 197121 2453 7月 19 202
-rwxr-xr-x 1 DELL 197121 2411 2月 27 202
-rwxr-xr-x 1 DELL 197121 2367 9月 3 202
-rwxr-xr-x 1 DELL 197121 607 9月 11 202
-rwxr-xr-x 1 DELL 197121 1413 4月 26 202
-rwxr-xr-x 1 DELL 197121 661 3月 23 202
-rwxr-xr-x 1 DELL 197121 883 9月 18 16:3
-rwxr-xr-x 1 DELL 197121 732 10月 19 13:0
-rwxr-xr-x 1 DELL 197121 696 12月 28 202

DELL@DESKTOP-8NOG904 MINGW64 ~/Desktop
$ cat abc.txt
aaabbbccc
DELL@DESKTOP-8NOG904 MINGW64 ~/Desktop
$ cp abc.txt ../Downloads/

```

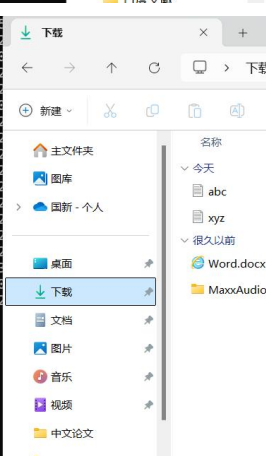


```

-rwxr-xr-x 1 DELL 197121 9 3月 17 16:5
-rwxr-xr-x 1 DELL 197121 701 11月 10 202
-rwxr-xr-x 1 DELL 197121 282 2月 10 20:0
-rwxr-xr-x 1 DELL 197121 2415 7月 19 202
-rwxr-xr-x 1 DELL 197121 1180 3月 1 202
-rwxr-xr-x 1 DELL 197121 2338 2月 10 20:0
-rwxr-xr-x 1 DELL 197121 2452 7月 19 202
-rwxr-xr-x 1 DELL 197121 926 4月 17 202
-rwxr-xr-x 1 DELL 197121 568 4月 25 202
-rwxr-xr-x 1 DELL 197121 2453 7月 19 202
-rwxr-xr-x 1 DELL 197121 2411 2月 27 202
-rwxr-xr-x 1 DELL 197121 2367 9月 3 202
-rwxr-xr-x 1 DELL 197121 607 9月 11 202
-rwxr-xr-x 1 DELL 197121 1413 4月 26 202
-rwxr-xr-x 1 DELL 197121 661 3月 23 202
-rwxr-xr-x 1 DELL 197121 883 9月 18 16:3
-rwxr-xr-x 1 DELL 197121 732 10月 19 13:0
-rwxr-xr-x 1 DELL 197121 696 12月 28 202

DELL@DESKTOP-8NOG904 MINGW64 ~/Desktop
$ cat abc.txt
aaabbbccc
DELL@DESKTOP-8NOG904 MINGW64 ~/Desktop
$ cp abc.txt ../Downloads/
DELL@DESKTOP-8NOG904 MINGW64 ~/Desktop
$ cp abc.txt ../Downloads/xyz.txt

```



```

$ cp abc.txt ../Downloads/xyz.txt
DELL@DESKTOP-8NOG904 MINGW64 ~/Desktop
$ mv ../Downloads/xyz.txt ./

```

```

DELL@DESKTOP-8NOG904 MI
$ mkdir myproject

```

```
DELL@DESKTOP-8NOG904 MINGW64 ~/Desktop
$ ls -alh myproject/
total 6.0K
drwxr-xr-x 1 DELL 197121 0  3月 17 17:10 ./
drwxr-xr-x 1 DELL 197121 0  3月 17 17:09 ../
-rw-r--r-- 1 DELL 197121 9  3月 17 16:58 abc.txt
-rw-r--r-- 1 DELL 197121 9  3月 17 17:01 xyz.txt
```

```
DELL@DESKTOP-8NOG904 MINGW64 ~/Desktop
$ rm xyz.txt

DELL@DESKTOP-8NOG904 MINGW64 ~/Desktop
$ rm -r myproject
```

```
DELL@DESKTOP-8NOG904 MINGW64 ~/Desktop
$ df -h
Filesystem      Size  Used Avail Use% Mounted on
D:/Git          147G   76G   72G   52% /
C:              165G   91G   75G   55% /c
E:             147G   52G   96G   35% /e
```

## 命令分析

1. `du -s *`:
  - `du` 是 “disk usage” 的缩写，其用途是估算文件空间使用情况。
  - `-s` 这个选项的作用是只显示每个参数的总大小，而非显示每个子目录的大小。
  - `*` 是通配符，代表当前目录下的所有文件和目录。
  - 所以，`du -s *` 会计算当前目录下每个文件和目录的总大小。
2. `sort -nr`:
  - `sort` 命令用于对文本行进行排序。
  - `-n` 选项表示按照数值大小进行排序。
  - `-r` 选项表示以逆序（从大到小）排序。
3. `> ~/report.txt`:
  - `>` 是重定向符号，其功能是把命令的输出结果写入到指定的文件中。
  - `~/report.txt` 代表用户主目录下的 `report.txt` 文件。
  - 所以，`> ~/report.txt` 会把 `sort -nr` 的输出结果写入到用户主目录下的 `report.txt` 文件中。

```
DELL@DESKTOP-8NOG904 MINGW64 ~/repo/mywork (main)
$ cp ~/aaa.txt ./

DELL@DESKTOP-8NOG904 MINGW64 ~/repo/mywork (main)
$ ls -al
total 5
drwxr-xr-x 1 DELL 197121 0  3月 17 17:56 ./
drwxr-xr-x 1 DELL 197121 0  3月 17 17:37 ../
drwxr-xr-x 1 DELL 197121 0  3月 17 17:37 .git/
-rw-r--r-- 1 DELL 197121 3  3月 17 17:56 aaa.txt
```

```
DELL@DESKTOP-8NOG904 MINGW64 ~/repo/mywork (main)
$ cp ~/.conda/auu_token
cp: missing destination file operand after '/c/Users/DELL/.conda/auu_token'
Try 'cp --help' for more information.

DELL@DESKTOP-8NOG904 MINGW64 ~/repo/mywork (main)
$ cp ~/conda/auu_token
cp: missing destination file operand after '/c/Users/DELL/conda/auu_token'
Try 'cp --help' for more information.

DELL@DESKTOP-8NOG904 MINGW64 ~/repo/mywork (main)
$ cp ~/repo/week01/LICENSE
cp: missing destination file operand after '/c/Users/DELL/repo/week01/LICENSE'
Try 'cp --help' for more information.

DELL@DESKTOP-8NOG904 MINGW64 ~/repo/mywork (main)
$ cp ~/repo/week01/aaa.txt
cp: missing destination file operand after '/c/Users/DELL/repo/week01/aaa.txt'
Try 'cp --help' for more information.
```

出现问题 1: `cp` 功能找不到文件，后多次实试验发现，是因为没有打全代码。

```

DELL@DESKTOP-8NOG904 MINGW64 ~/repo/mywork (main)
$ git status
On branch main

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        aaa.txt

nothing added to commit but untracked files present (use "git add" to track)

DELL@DESKTOP-8NOG904 MINGW64 ~/repo/mywork (main)
$ git add .

DELL@DESKTOP-8NOG904 MINGW64 ~/repo/mywork (main)
$ git status
On branch main

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   aaa.txt

```

zs_amber just for test		1e8c6ab8	创建于 4 分钟前	🕒 历史提交
文件	最后提交记录	最后更新时间		
📄 aaa.txt	just for test	4 分钟前		

```

DELL@DESKTOP-8NOG904 MINGW64 ~/repo/mywork (main)
$ rm aaa.txt

DELL@DESKTOP-8NOG904 MINGW64 ~/repo/mywork (main)
$ cp ~/aaa.txt ./

DELL@DESKTOP-8NOG904 MINGW64 ~/repo/mywork (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

DELL@DESKTOP-8NOG904 MINGW64 ~/repo/mywork (main)
$ git diff

```

出现问题 2：删除文件后再粘贴回来，status 未显示改变，diff 也未显示改变，后发现原因为文件内内容未改变。