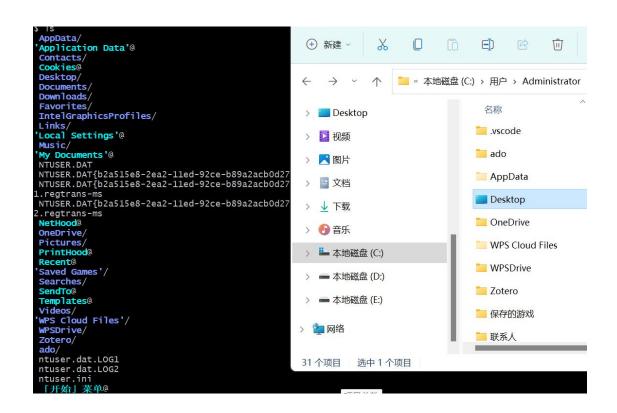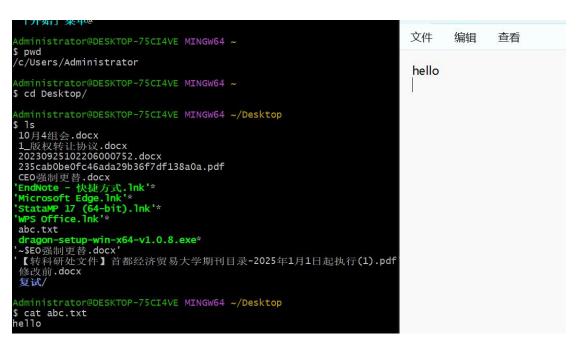# 命令行与文件系统

ls 命令

```
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ ls
 AppData/
'Application Data'@
 Contacts/
 Cookies@
 Desktop/
 Documents/
 Downloads/
 Favorites/
 IntelGraphicsProfiles/
 Links/
'Local Settings'@
 Music/
'My Documents'@
 NTUSER.DAT
 NTUSER.DAT{b2a515e8-2ea2-11ed-92ce-b89a2acb0d27}.TM.blf
 NTUSER.DAT{b2a515e8-2ea2-11ed-92ce-b89a2acb0d27}.TMContainer00000000000000000000
1.regtrans-ms
 NTUSER.DAT{b2a515e8-2ea2-11ed-92ce-b89a2acb0d27}.TMContainer00000000000000000000
2.regtrans-ms
 NetHood@
 OneDrive/
 Pictures/
 PrintHood@
 Recent@
'Saved Games'/
 Searches/
 SendTo@
 Templates@
 Videos/
'WPS Cloud Files'/
 WPSDrive/
 Zotero/
 ado/
 ntuser.dat.LOG1
 ntuser.dat.LOG2
 ntuser.ini
 「开始」菜单@
```

```
$ ls
AppData/
'Application Data'@
Contacts/
Cookies@
Desktop/
Documents/
Downloads/
Favorites/
IntelGraphicsProfiles/
Links/
'Local Settings'@
Music/
'My Documents'@
NTUSER.DAT
NTUSER.DAT{b2a515e8-2ea2-11ed-92ce-b89a2acb0d27
NTUSER.DAT{b2a515e8-2ea2-11ed-92ce-b89a2acb0d27
1.regtrans-ms
NTUSER.DAT{b2a515e8-2ea2-11ed-92ce-b89a2acb0d27
2.regtrans-ms
NetHood@
OneDrive/
Pictures/
PrintHood@
Recent@
'Saved Games'/
Searches/
SendTo@
Templates@
Videos/
'WPS Cloud Files'/
WPSDrive/
Zotero/
ado/
ntuser.dat.LOG1
ntuser.dat.LOG2
ntuser.ini
「开始」菜单@
```

新建 ✂ ⎘ ⎘ ⬌ ↗ 🗑

← → ∨ ↑ « 本地磁盘 (C:) › 用户 › Administrator

- Desktop
- 视频
- 图片
- 文档
- 下载
- 音乐
- 本地磁盘 (C:)
- 本地磁盘 (D:)
- 本地磁盘 (E:)
- 网络

名称
- .vscode
- ado
- AppData
- Desktop
- OneDrive
- WPS Cloud Files
- WPSDrive
- Zotero
- 保存的游戏
- 联系人

31 个项目 | 选中 1 个项目

```
「开始」菜单@
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ pwd
/c/Users/Administrator

Administrator@DESKTOP-75CI4VE MINGW64 ~
$ cd Desktop/

Administrator@DESKTOP-75CI4VE MINGW64 ~/Desktop
$ ls
 10月4组会.docx
 1_版权转让协议.docx
 20230925102206000752.docx
 235cab0be0fc46ada29b36f7df138a0a.pdf
 CEO强制更替.docx
'EndNote - 快捷方式.lnk'*
'Microsoft Edge.lnk'*
'StataMP 17 (64-bit).lnk'*
'WPS Office.lnk'*
 abc.txt
 dragon-setup-win-x64-v1.0.8.exe*
'~$EO强制更替.docx'
'【转科研处文件】首都经济贸易大学期刊目录-2025年1月1日起执行(1).pdf
 修改前.docx
 复试/

Administrator@DESKTOP-75CI4VE MINGW64 ~/Desktop
$ cat abc.txt
hello
```

文件　编辑　查看

hello

```
Administrator@DESKTOP-75CI4VE MINGW64 ~/Desktop
$ cat abc.txt
hello world
```

hello world

```
Administrator@DESKTOP-75CI4VE MINGW64 ~/Downloads
$ cd ..
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ cd Documents/

Administrator@DESKTOP-75CI4VE MINGW64 ~/Documents
$ ls
'ClassIn Files'/   MATLAB/          'My Pictures'@   NetPowerZIPData/   TencentMeeting/   china_map.zip   'prscrn Files'/                    '自定义 Office 模板'/
 IBM/              MeetingRecords/  'My Videos'@     QQPCMgr/            WPSDrive/          desktop.ini      temp/
 KingsoftData/     'My Music'@      'My eBooks'/     'Tencent Files'/   'WeChat Files'/    leidian9/       '本地磁盘 (E) - 快捷方式.lnk'*
```

根目录

绝对路径：从根目录开始写的路径

相对路径：不用/开始

回到用户主目录：cd

回到上一级文件夹：cd ..

Unix 路径以/（斜杠）开头　windows 路径是反斜杠

Unix 根目录是斜杠，windows 没有根目录，是从盘符开始的，比如 C:

浏览器是斜杠

命令行是空格分隔的

ls 和 ls . 是一样的效果

短选项：-a 长选项：--all（显示所有文件）

Unix 系统会隐藏.开头的文件

蓝色的是文件夹，白色的是文件

分别列举 desktop 和 downloads

ls -l

ls   -al

ls -alh

显示文件大小更可读

ls -alhS（按文件大小排序）

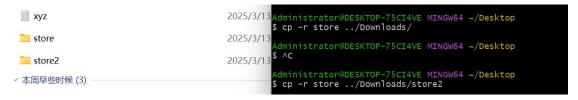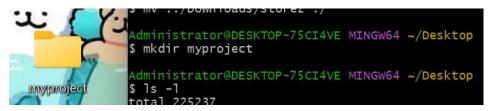ls -alht（按修改时间排序）

cp （复制）

复制并改名

复制文件夹

移动文件（mv）

创建文件夹

将 store2 复制进去后再查看文件夹

```
Administrator@DESKTOP-75CI4VE MINGW64 ~/Desktop
$ ls -alh myproject
total 24K
drwxr-xr-x 1 Administrator 197121 0 Mar 13 15:55 ./
drwxr-xr-x 1 Administrator 197121 0 Mar 13 15:55 ../
drwxr-xr-x 1 Administrator 197121 0 Mar 13 15:50 store2/
```

删除数据 （rm）-rf 强制删除

```
Administrator@DESKTOP-75CI4VE MINGW64 ~/Desktop
$ rm xyz.txt

Administrator@DESKTOP-75CI4VE MINGW64 ~/Desktop
$ rm -r myproject/

Administrator@DESKTOP-75CI4VE MINGW64 ~/Desktop
$ rm store
rm: cannot remove 'store': Is a directory

Administrator@DESKTOP-75CI4VE MINGW64 ~/Desktop
$ rm -r store

Administrator@DESKTOP-75CI4VE MINGW64 ~/Desktop
$ rm -rf store2
```

查看磁盘剩余空间（df）

```
Administrator@DESKTOP-75CI4VE MINGW64 ~/Desktop
$ df
Filesystem          1K-blocks      Used Available Use% Mounted on
D:/腾讯会议/Git 447028916 40780964 406247952  10% /
C:              104529884 86139856  18390028  83% /c
E:              446935660 52175736 394759924  12% /e

Administrator@DESKTOP-75CI4VE MINGW64 ~/Desktop
$ df -h
Filesystem          Size  Used Avail Use% Mounted on
D:/腾讯会议/Git 427G   39G  388G  10% /
C:              100G   83G   18G  83% /c
E:              427G   50G  377G  12% /e
```

Ctrl c 中断命令

查看文件夹使用情况（du .) (du . 1 .)第一层

```
Administrator@
$ du .
5992    ./复讯
32      ./复讯
7044    ./复讯
8512    ./复讯
22936   ./复讯
18044   ./李国
17748   ./申请
283960  .

Administrator@
$ du -d 1 .
22936   ./复讯
18044   ./李国
17748   ./申请
283960  .
```

```
Administrator@DESKTOP-75CI4VE MINGW64 ~/Desktop
$ du -d 0 .
283960  .

Administrator@DESKTOP-75CI4VE MINGW64 ~/Desktop
$ du -h -d 0 .
278M    .
```
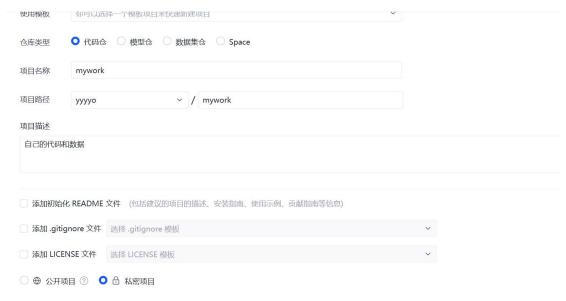
新建项目

使用模板　　　你可以选择一个模板项目米快速新建项目

仓库类型　　　⦿ 代码仓　◯ 模型仓　◯ 数据集仓　◯ Space

项目名称　　　mywork

项目路径　　　yyyyo　　　　　　　　／　mywork

项目描述

自己的代码和数据

☐ 添加初始化 README 文件　(包括建议的项目的描述、安装指南、使用示例、贡献指南等信息)

☐ 添加 .gitignore 文件　选择 .gitignore 模板

☐ 添加 LICENSE 文件　选择 LICENSE 模板

◯ ⊕ 公开项目 ⓘ　⦿ 🔒 私密项目

克隆私人仓库

```
Administrator@DESKTOP-75CI4VE MINGW64 ~/Desktop
$ cd

Administrator@DESKTOP-75CI4VE MINGW64 ~
$ pwd
/c/Users/Administrator

Administrator@DESKTOP-75CI4VE MINGW64 ~
$ mkdir repo

Administrator@DESKTOP-75CI4VE MINGW64 ~
$ ped
bash: ped: command not found

Administrator@DESKTOP-75CI4VE MINGW64 ~
$ pwd
/c/Users/Administrator

Administrator@DESKTOP-75CI4VE MINGW64 ~
$ cd repo

Administrator@DESKTOP-75CI4VE MINGW64 ~/repo
$ pwd
/c/Users/Administrator/repo

Administrator@DESKTOP-75CI4VE MINGW64 ~/repo
$ git clone git@gitcode.com:yyyyo/mywork.git
Cloning into 'mywork'...
warning: You appear to have cloned an empty repository.

Administrator@DESKTOP-75CI4VE MINGW64 ~/repo
$ ls
mywork/

Administrator@DESKTOP-75CI4VE MINGW64 ~/repo
$ cd mywork
```

本地提交流程

```
Administrator@DESKTOP-75CI4VE MINGW64 ~/repo
$ cd mywork

Administrator@DESKTOP-75CI4VE MINGW64 ~/repo/mywork (master)
$ ls -l
total 0

Administrator@DESKTOP-75CI4VE MINGW64 ~/repo/mywork (master)
$ git log
fatal: your current branch 'master' does not have any commits yet

Administrator@DESKTOP-75CI4VE MINGW64 ~/repo/mywork (master)
$ cp ~/.gitconfig ./

Administrator@DESKTOP-75CI4VE MINGW64 ~/repo/mywork (master)
$ ls -al
total 5
drwxr-xr-x 1 Administrator 197121   0 Mar 13 16:32 ./
drwxr-xr-x 1 Administrator 197121   0 Mar 13 16:24 ../
drwxr-xr-x 1 Administrator 197121   0 Mar 13 16:24 .git/
-rw-r--r-- 1 Administrator 197121 150 Mar 13 16:32 .gitconfig

Administrator@DESKTOP-75CI4VE MINGW64 ~/repo/mywork (master)
$ git status
On branch master

No commits yet

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

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

Administrator@DESKTOP-75CI4VE MINGW64 ~/repo/mywork (master)
$ git add .
warning: in the working copy of '.gitconfig', LF will be replaced by CRLF the next time Git touches it

Administrator@DESKTOP-75CI4VE MINGW64 ~/repo/mywork (master)
$ git status
On branch master

No commits yet

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

```
Administrator@DESKTOP-75CI4VE MINGW64 ~/repo/mywork (master)
$ git commit -m 'added some files for test'
[master (root-commit) 72b343d] added some files for test
 1 file changed, 6 insertions(+)
 create mode 100644 .gitconfig

Administrator@DESKTOP-75CI4VE MINGW64 ~/repo/mywork (master)
$ git log
commit 72b343dc5ebc227f240253f7f1a53cd51a0587c9 (HEAD -> master)
Author: yyyyo <yyyyo@noreply.gitcode.com>
Date:   Thu Mar 13 16:35:08 2025 +0800

    added some files for test

Administrator@DESKTOP-75CI4VE MINGW64 ~/repo/mywork (master)
$ git push
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 358 bytes | 179.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Start Git Hooks Checking                              [PASSED]
To gitcode.com:yyyyo/mywork.git
 * [new branch]      master -> master
```

| yyyyo   added some files for test | 72b343dc | 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
.gitconfig	added some files for test	4 分钟前