

## 1. 命令行和文件系统

目录树：计算机管理文件资源采用树形结构

Ls：当前工作目录下面的内容的列表

Pwd：可以查看路径在哪里

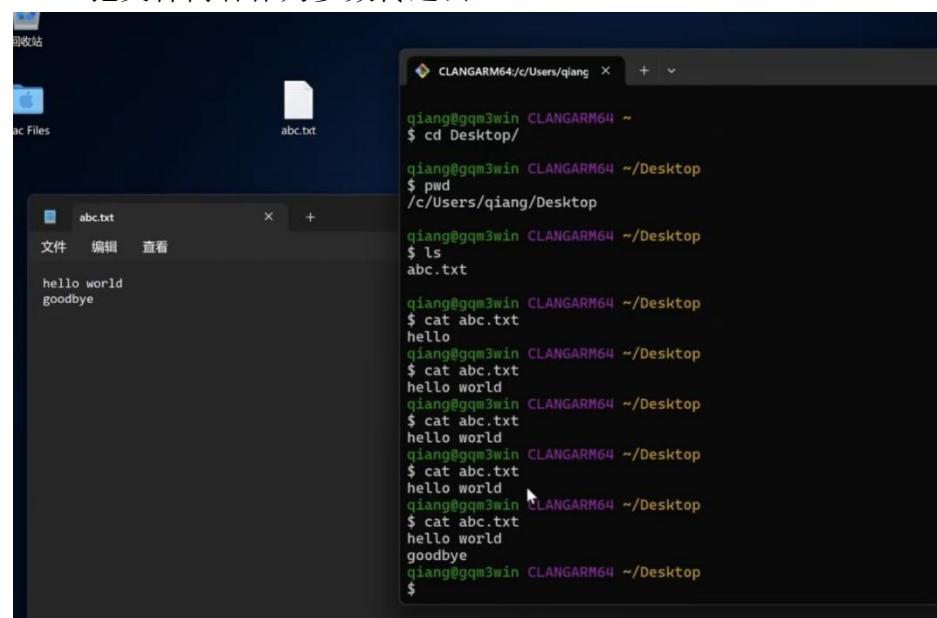
```
lenovo@LAPTOP-5NK7LB9S MINGW64 ~  
$ ls  
「开始」菜单@          NTUSER.DAT{3776ba52-dbc4-11ee-aa3f-606d3cba68f8}.TM.blf  
anaconda3/             NTUSER.DAT{3776ba52-dbc4-11ee-aa3f-606d3cba68f8}.TMContainer000000000000000001.regtrans-ms  
AppData/               NTUSER.DAT{3776ba52-dbc4-11ee-aa3f-606d3cba68f8}.TMContainer000000000000000002.regtrans-ms  
'Application Data'@  
Contacts/              ntuser.ini  
Cookies@              OneDrive/  
Documents/             Pictures/  
Downloads/             PrintHood@  
Favorites/            Recent@  
IntelGraphicsProfiles/ repo/  
Links/                 'Saved Games'/  
'Local Settings'@     Searches/  
Music/                 SendTo@  
'My Documents'@       Templates@  
NetHood@               Videos/  
NTUSER.DAT             'WPS Cloud Files'/  
ntuser.dat.LOG1        WPSDrive/  
ntuser.dat.LOG2        Zotero/  
  
lenovo@LAPTOP-5NK7LB9S MINGW64 ~  
$ pwd  
/c/Users/lenovo
```

自动补全功能：

```
lenovo@LAPTOP-5NK7LB9S MINGW64 ~  
$ cd des   Tab键 → 可以补全 Desktop/
```

cd：切换

Cat：把文件内容作为参数传过去



```
CLANGARM64/c/Users/qiang x  
qiang@gqm3win CLANGARM64 ~  
$ cd Desktop/  
qiang@gqm3win CLANGARM64 ~/Desktop  
$ pwd  
/c/Users/qiang/Desktop  
qiang@gqm3win CLANGARM64 ~/Desktop  
$ ls  
abc.txt  
qiang@gqm3win CLANGARM64 ~/Desktop  
$ cat abc.txt  
hello  
qiang@gqm3win CLANGARM64 ~/Desktop  
$ cat abc.txt  
hello world  
qiang@gqm3win CLANGARM64 ~/Desktop  
$ cat abc.txt  
hello world  
qiang@gqm3win CLANGARM64 ~/Desktop  
$ cat abc.txt  
hello world  
qiang@gqm3win CLANGARM64 ~/Desktop  
$ cat abc.txt  
hello world  
qiang@gqm3win CLANGARM64 ~/Desktop  
$ cat abc.txt  
hello world  
goodbye  
qiang@gqm3win CLANGARM64 ~/Desktop  
$
```

回到上一级的文件夹：两个点 一个点当前目录

```
lenovo@LAPTOP-5NK7LB9S MINGW64 ~/Downloads  
$ cd ..
```

根目录: /

查看根目录以及其下文件

```
lenovo@LAPTOP-5NK7LB9S MINGW64 ~  
$ cd /  
  
lenovo@LAPTOP-5NK7LB9S 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
```

绝对路径: 从根目录开始写 (/开头)

相对路径: 不用/开头, 相对于当前工作目录而言的

Unix 路径: / 从根目录开始 `/c/Users/qiang`

Windows 路径: \ 从盘符开始, 从 C: 开始 `C:\Users\qiang\Documents`

Man-manual 缩写 手册

ls -a:显示隐藏文件 (以.开头的)