

## 1.1

```
[ese-jianglj@login02 ~]$ ls -s data_demo data_demo_link
data_demo:
total 647
 1 creatures      1 log1          1 north-pacific-gyre 128 solar.pdf      1 writing_new
 1 data           1 log2          1 notes               1 thesis          1 writing_new_from_zip
 1 data_demo      1 molecules    1 pizza.cfg           1 writing           512 writing_new.zip

data_demo_link:
total 647
 1 creatures      1 log1          1 north-pacific-gyre 128 solar.pdf      1 writing_new
 1 data           1 log2          1 notes               1 thesis          1 writing_new_from_zip
 1 data_demo      1 molecules    1 pizza.cfg           1 writing           512 writing_new.zip
[ese-jianglj@login02 ~]$ ls
data_demo data_demo_link exam
[ese-jianglj@login02 ~]$
```

## 1.2

```
[ese-jianglj@login02 ~]$ ~
-bash: /work/ese-jianglj: Is a directory
[ese-jianglj@login02 ~]$ echo '/work/ese-jianglj/'
/work/ese-jianglj/
[ese-jianglj@login02 ~]$
```

echo \$HOME,-1

## 1.3

```
[ese-jianglj@login02 ~]$ cd ~/data_demo/molecules
[ese-jianglj@login02 molecules]$ touch test.pdb
[ese-jianglj@login02 molecules]$ ls
cubane.pdb ethane.pdb methane.pdb octane.pdb pentane.pdb propane.pdb test.pdb
[ese-jianglj@login02 molecules]$
```

## 1.4 (三种数据)

```
[ese-jianglj@login02 molecules]$ find ~/data_demo/data/elements | wc -l
104
[ese-jianglj@login02 molecules]$ find ~/data_demo/data/elements -type d | wc -l
1
[ese-jianglj@login02 molecules]$ find ~/data_demo/data/elements -type f | wc -l
103
[ese-jianglj@login02 molecules]$
```

## 1.5(diff 几种功能)

```
[ese-jianglj@login02 pdb]$ diff data_demo/data/pdb/ethane.pdb data_demo/data/pdb/ethanol.pdb
diff: data_demo/data/pdb/ethane.pdb: No such file or directory
diff: data_demo/data/pdb/ethanol.pdb: No such file or directory
[ese-jianglj@login02 pdb]$ diff ethane.pdb ethanol.pdb
1,11c1,12
< COMPND          ETHANE
< AUTHOR          DAVE WOODCOCK    95 12 18
< ATOM            1  C              1      -0.752   0.001  -0.141   1.00   0.00
< ATOM            2  C              1       0.752  -0.001   0.141   1.00   0.00
< ATOM            3  H              1     -1.158   0.991   0.070   1.00   0.00
< ATOM            4  H              1     -1.240  -0.737   0.496   1.00   0.00
< ATOM            5  H              1     -0.924  -0.249  -1.188   1.00   0.00
< ATOM            6  H              1      1.158  -0.991  -0.070   1.00   0.00
< ATOM            7  H              1      0.924   0.249   1.188   1.00   0.00
< ATOM            8  H              1      1.240   0.737  -0.496   1.00   0.00
< TER             9
---
> COMPND          ETHANOL
> AUTHOR          DAVE WOODCOCK    96 01 03
> ATOM            1  C              1     -0.426  -0.115  -0.147   1.00   0.00
> ATOM            2  O              1     -0.599   1.244  -0.481   1.00   0.00
> ATOM            3  H              1     -0.750  -0.738  -0.981   1.00   0.00
> ATOM            4  H              1     -1.022  -0.351   0.735   1.00   0.00
> ATOM            5  H              1     -1.642   1.434  -0.689   1.00   0.00
> ATOM            6  C              1      1.047  -0.383   0.147   1.00   0.00
> ATOM            7  H              1      1.370   0.240   0.981   1.00   0.00
> ATOM            8  H              1      1.642  -0.147  -0.735   1.00   0.00
> ATOM            9  H              1      1.180  -1.434   0.405   1.00   0.00
> TER            10
```

## 上下文输出格式

```
[ese-jianglj@login02 pdb]$ diff ethane.pdb ethanol.pdb -c
*** ethane.pdb 2021-11-24 19:23:55.161731000 +0800
--- ethanol.pdb 2021-11-24 19:23:55.157839000 +0800
*****
*** 1,12 ****
! COMPND          ETHANE
! AUTHOR          DAVE WOODCOCK  95 12 18
! ATOM           1  C              1      -0.752   0.001  -0.141  1.00  0.00
! ATOM           2  C              1       0.752  -0.001   0.141  1.00  0.00
! ATOM           3  H              1     -1.158   0.991   0.070  1.00  0.00
! ATOM           4  H              1     -1.240  -0.737   0.496  1.00  0.00
! ATOM           5  H              1     -0.924  -0.249  -1.188  1.00  0.00
! ATOM           6  H              1      1.158  -0.991  -0.070  1.00  0.00
! ATOM           7  H              1      0.924   0.249   1.188  1.00  0.00
! ATOM           8  H              1      1.240   0.737  -0.496  1.00  0.00
! TER            9                  1
END
--- 1,13 ----
! COMPND          ETHANOL
! AUTHOR          DAVE WOODCOCK  96 01 03
! ATOM           1  C              1     -0.426  -0.115  -0.147  1.00  0.00
! ATOM           2  O              1     -0.599   1.244  -0.481  1.00  0.00
! ATOM           3  H              1     -0.750  -0.738  -0.981  1.00  0.00
! ATOM           4  H              1     -1.022  -0.351   0.735  1.00  0.00
! ATOM           5  H              1     -1.642   1.434  -0.689  1.00  0.00
! ATOM           6  C              1      1.047  -0.383   0.147  1.00  0.00
! ATOM           7  H              1      1.370   0.240   0.981  1.00  0.00
! ATOM           8  H              1      1.642  -0.147  -0.735  1.00  0.00
! ATOM           9  H              1      1.180  -1.434   0.405  1.00  0.00
! TER           10                  1
END
[ese-jianglj@login02 pdb]$
```

## 统一格式输出

```
[ese-jianglj@login02 pdb]$ diff ethane.pdb ethanol.pdb -u
--- ethane.pdb 2021-11-24 19:23:55.161731000 +0800
+++ ethanol.pdb 2021-11-24 19:23:55.157839000 +0800
@@ -1,12 +1,13 @@
- COMPND          ETHANE
- AUTHOR          DAVE WOODCOCK  95 12 18
- ATOM           1  C              1      -0.752   0.001  -0.141  1.00  0.00
- ATOM           2  C              1       0.752  -0.001   0.141  1.00  0.00
- ATOM           3  H              1     -1.158   0.991   0.070  1.00  0.00
- ATOM           4  H              1     -1.240  -0.737   0.496  1.00  0.00
- ATOM           5  H              1     -0.924  -0.249  -1.188  1.00  0.00
- ATOM           6  H              1      1.158  -0.991  -0.070  1.00  0.00
- ATOM           7  H              1      0.924   0.249   1.188  1.00  0.00
- ATOM           8  H              1      1.240   0.737  -0.496  1.00  0.00
- TER            9                  1
+ COMPND          ETHANOL
+ AUTHOR          DAVE WOODCOCK  96 01 03
+ ATOM           1  C              1     -0.426  -0.115  -0.147  1.00  0.00
+ ATOM           2  O              1     -0.599   1.244  -0.481  1.00  0.00
+ ATOM           3  H              1     -0.750  -0.738  -0.981  1.00  0.00
+ ATOM           4  H              1     -1.022  -0.351   0.735  1.00  0.00
+ ATOM           5  H              1     -1.642   1.434  -0.689  1.00  0.00
+ ATOM           6  C              1      1.047  -0.383   0.147  1.00  0.00
+ ATOM           7  H              1      1.370   0.240   0.981  1.00  0.00
+ ATOM           8  H              1      1.642  -0.147  -0.735  1.00  0.00
+ ATOM           9  H              1      1.180  -1.434   0.405  1.00  0.00
+ TER           10                  1
END
[ese-jianglj@login02 pdb]$
```

## 递归比较

```
[ese-jianglj@login02 pdb]$ diff -r ethane.pdb ethanol.pdb
1,11c1,12
< COMPND          ETHANE
< AUTHOR          DAVE WOODCOCK    95 12 18
< ATOM            1  C              1      -0.752   0.001  -0.141   1.00   0.00
< ATOM            2  C              1       0.752  -0.001   0.141   1.00   0.00
< ATOM            3  H              1     -1.158   0.991   0.070   1.00   0.00
< ATOM            4  H              1     -1.240  -0.737   0.496   1.00   0.00
< ATOM            5  H              1     -0.924  -0.249  -1.188   1.00   0.00
< ATOM            6  H              1      1.158  -0.991  -0.070   1.00   0.00
< ATOM            7  H              1      0.924   0.249   1.188   1.00   0.00
< ATOM            8  H              1      1.240   0.737  -0.496   1.00   0.00
< TER             9
- - -
> COMPND          ETHANOL
> AUTHOR          DAVE WOODCOCK    96 01 03
> ATOM            1  C              1     -0.426  -0.115  -0.147   1.00   0.00
> ATOM            2  O              1     -0.599   1.244  -0.481   1.00   0.00
> ATOM            3  H              1     -0.750  -0.738  -0.981   1.00   0.00
> ATOM            4  H              1     -1.022  -0.351   0.735   1.00   0.00
> ATOM            5  H              1     -1.642   1.434  -0.689   1.00   0.00
> ATOM            6  C              1      1.047  -0.383   0.147   1.00   0.00
> ATOM            7  H              1      1.370   0.240   0.981   1.00   0.00
> ATOM            8  H              1      1.642  -0.147  -0.735   1.00   0.00
> ATOM            9  H              1      1.180  -1.434   0.405   1.00   0.00
> TER            10
[ese-jianglj@login02 pdb]$
```

## 关于补丁

```
[ese-jianglj@login02 pdb]$ diff -ruN ethane.pdb ethanol.pdb >patch.log
[ese-jianglj@login02 pdb]$ diff -ruN ethane.pdb ethanol.pdb >patch.pdb
[ese-jianglj@login02 pdb]$ patch ethane.pdb ethanol.pdb
patch: **** Only garbage was found in the patch input.
```

## 1.6

### 先查看了全文

```
[ese-jianglj@login02 pdb]$ cd ~/data_demo/writing/data
[ese-jianglj@login02 data]$ cat data_demo/writing/data/LittleWomen.txt|grep -0 'But she'|sort |uniq -c|sort -nr
cat: data_demo/writing/data/LittleWomen.txt: No such file or directory
[ese-jianglj@login02 data]$ cat LittleWomen.txt
The Project Gutenberg EBook of Little Women, by Louisa May Alcott

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almost no restrictions whatsoever. You may copy it, give it away or
re-use it under the terms of the Project Gutenberg License included
with this eBook or online at www.gutenberg.net

Title: Little Women

Author: Louisa May Alcott

Posting Date: September 13, 2008 [EBook #514]
Release Date: May, 1996
[This file last updated on August 19, 2010]
```

查找出现次数（14）并将‘But she’在该文出现位置进行排序

```
[ese-jianglj@login02 data]$ cat LittleWomen.txt|grep -o 'But she'|sort |uniq -c|sort -nr
14 --
1 to see signs of hope in the faint color on Beth's cheeks. But she
1 than she went. But she begged so hard, and Sallie had promised to take
1 small quaver in her voice, "I came to thank you, sir, for..." But she
1 sketchbook. But she tucked it under her arm with a sharp...
1 queer thing for her to do, she doesn't act a bit like herself. But she
1 "Oh, bless you, no! But she let old Belsham rest, and when I ran back
1 her. But she can pet and comfort him after I'm gone, and so cure him
1 grasshopper. But she would have consented if he had proposed to sing a
1 But she only spits at the dogs our pet
1 But she is not fair to see,
1 But she does not hunt as our darling did,
1 But she did show something better than brilliancy or skill, for she
1 But she did not get it, for though he joined her and answered all her
1 aspirant for fame, with philosophic composure. But she made a wry face
1 Amy did any of these fond and foolish things. But she certainly did
```

仅查次数

```
[ese-jianglj@login02 pdb]$ cd ~/data_demo/writing/data
[ese-jianglj@login02 data]$ grep -c 'But she' LittleWomen.txt
15
```

## 1.7

先查看所占磁盘大小，再用‘-a’显示其下目录和文件占用磁盘大小（太多未截图完）

```
[ese-jianglj@login02 data]$ du ~/data_demo/data
409    /work/ese-jianglj/data_demo/data/pdb
52     /work/ese-jianglj/data_demo/data/elements
1     /work/ese-jianglj/data_demo/data/animal-counts
720   /work/ese-jianglj/data_demo/data
[ese-jianglj@login02 data]$ du ~/data_demo/data -a
1     /work/ese-jianglj/data_demo/data/amino-acids.txt
128   /work/ese-jianglj/data_demo/data/pdb/lanoxin.pdb
1     /work/ese-jianglj/data_demo/data/pdb/methanol.pdb
1     /work/ese-jianglj/data_demo/data/pdb/citronellal.pdb
1     /work/ese-jianglj/data_demo/data/pdb/norethindrone.pdb
128   /work/ese-jianglj/data_demo/data/pdb/heme.pdb
1     /work/ese-jianglj/data_demo/data/pdb/mustard.pdb
1     /work/ese-jianglj/data_demo/data/pdb/ammonia.pdb
1     /work/ese-jianglj/data_demo/data/pdb/ascorbic-acid.pdb
1     /work/ese-jianglj/data_demo/data/pdb/patch.log
1     /work/ese-jianglj/data_demo/data/pdb/lactic-acid.pdb
1     /work/ese-jianglj/data_demo/data/pdb/methane.pdb
1     /work/ese-jianglj/data_demo/data/pdb/morphine.pdb
1     /work/ese-jianglj/data_demo/data/pdb/piperine.pdb
1     /work/ese-jianglj/data_demo/data/pdb/maltose.pdb
1     /work/ese-jianglj/data_demo/data/pdb/testosterone.pdb
1     /work/ese-jianglj/data_demo/data/pdb/thiamine.pdb
1     /work/ese-jianglj/data_demo/data/pdb/quinine.pdb
1     /work/ese-jianglj/data_demo/data/pdb/tyrian-purple.pdb
1     /work/ese-jianglj/data_demo/data/pdb/tuberin.pdb
1     /work/ese-jianglj/data_demo/data/pdb/patch.pdb
1     /work/ese-jianglj/data_demo/data/pdb/cinnamaldehyde.pdb
1     /work/ese-jianglj/data_demo/data/pdb/vitamin-a.pdb
1     /work/ese-jianglj/data_demo/data/pdb/ethylcyclohexane.pdb
1     /work/ese-jianglj/data_demo/data/pdb/strychnine.pdb
1     /work/ese-jianglj/data_demo/data/pdb/sucrose.pdb
1     /work/ese-jianglj/data_demo/data/pdb/pentane.pdb
1     /work/ese-jianglj/data_demo/data/pdb/nerol.pdb
1     /work/ese-jianglj/data_demo/data/pdb/vinyl-chloride.pdb
1     /work/ese-jianglj/data_demo/data/pdb/camphene.pdb
1     /work/ese-jianglj/data_demo/data/pdb/aldrin.pdb
```



再用 ‘-c’ 计算总和

```
[ese-jianglj@login02 data]$ du ~/data_demo/data -c
409    /work/ese-jianglj/data_demo/data/pdb
52     /work/ese-jianglj/data_demo/data/elements
1      /work/ese-jianglj/data_demo/data/animal-counts
720    /work/ese-jianglj/data_demo/data
720    total
```

再用 ‘-sh’ 表示当前总共容量

```
[ese-jianglj@login02 data]$ du ~/data_demo/data -sh
720K   /work/ese-jianglj/data_demo/data
[ese-jianglj@login02 data]$
```

## 1.8

(好像拷贝过去了, 好像又没有)

```
[ese-jianglj@login02 data_demo]$ ^C
[ese-jianglj@login02 data_demo]$ cp writing writing_new
cp: omitting directory 'writing'
[ese-jianglj@login02 data_demo]$ cp -r writing writing_new
[ese-jianglj@login02 data_demo]$ zip -q -r writing_new.zip writing_new
[ese-jianglj@login02 data_demo]$ ls
creatures  data_demo  log2      north-pacific-gyre  pizza.cfg  thesis  writing_new  writing_new.zip
data       log1      molecules notes               solar.pdf  writing  writing_new_from_zip
[ese-jianglj@login02 data_demo]$ unzip -q writing_new.zip -d writing_new_from_zip
replace writing_new_from_zip/writing_new/haiku.txt? [yles, [n]o, [A]ll, [N]one, [r]ename: y
replace writing_new_from_zip/writing_new/tools/stats? [yles, [n]o, [A]ll, [N]one, [r]ename: n
replace writing_new_from_zip/writing_new/tools/old/oldtool? [yles, [n]o, [A]ll, [N]one, [r]ename: n
replace writing_new_from_zip/writing_new/tools/format? [yles, [n]o, [A]ll, [N]one, [r]ename: n
replace writing_new_from_zip/writing_new/data/one.txt? [yles, [n]o, [A]ll, [N]one, [r]ename: n
replace writing_new_from_zip/writing_new/data/LittleWomen.txt? [yles, [n]o, [A]ll, [N]one, [r]ename: n
replace writing_new_from_zip/writing_new/data/two.txt? [yles, [n]o, [A]ll, [N]one, [r]ename: n
replace writing_new_from_zip/writing_new/thesis/empty-draft.md? [yles, [n]o, [A]ll, [N]one, [r]ename: n
[ese-jianglj@login02 data_demo]$ ls
creatures  data_demo  log2      north-pacific-gyre  pizza.cfg  thesis  writing_new  writing_new.zip
data       log1      molecules notes               solar.pdf  writing  writing_new_from_zip
[ese-jianglj@login02 data_demo]$
```

(以下为改正后版本)

```
[ese-jianglj@login02 data]$ cd ~/data_demo/
[ese-jianglj@login02 data_demo]$ cp writing writing_new
cp: omitting directory 'writing'
[ese-jianglj@login02 data_demo]$ cp -r writing writing_new
[ese-jianglj@login02 data_demo]$ zip -q -r writing_new.zip writing_new
[ese-jianglj@login02 data_demo]$ ls
creatures  data  log1  log2  molecules  north-pacific-gyre  notes  pizza.cfg  solar.pdf  thesis  writing  writing_new  writing_new.zip
[ese-jianglj@login02 data_demo]$ unzip -q writing_new.zip -d writing_new_from_zip
[ese-jianglj@login02 data_demo]$ ls
creatures  log1  molecules  notes  solar.pdf  writing  writing_new_from_zip
data       log2  north-pacific-gyre  pizza.cfg  thesis  writing_new  writing_new.zip
```

## 1.9

先查看相关信息

```
[ese-jianglj@login02 data_demo]$ ls -l
total 1031
drwxr-xr-x 2 ese-jianglj ese-ouycc 4096 Nov 24 19:23 creatures
drwxr-xr-x 5 ese-jianglj ese-ouycc 4096 Nov 24 19:23 data
lrwxrwxrwx 1 ese-jianglj ese-ouycc 9 Dec 7 15:10 data_demo -> data_demo
-rw-r--r-- 1 ese-jianglj ese-ouycc 596 Dec 3 16:41 log1
-rw-r--r-- 1 ese-jianglj ese-ouycc 100 Dec 3 16:32 log2
drwxr-xr-x 2 ese-jianglj ese-ouycc 4096 Dec 6 17:09 molecules
drwxr-xr-x 3 ese-jianglj ese-ouycc 4096 Nov 24 19:23 north-pacific-gyre
-rwxr-xr-x 1 ese-jianglj ese-ouycc 69 Nov 24 19:23 notes
-rwxr-xr-x 1 ese-jianglj ese-ouycc 32 Nov 24 19:23 pizza.cfg
-rwxr-xr-x 1 ese-jianglj ese-ouycc 21583 Nov 24 19:23 solar.pdf
drwxr-xr-x 3 ese-jianglj ese-ouycc 4096 Nov 24 20:37 thesis
drwxr-xr-x 5 ese-jianglj ese-ouycc 4096 Nov 24 19:23 writing
drwx--x--- 6 ese-jianglj ese-ouycc 4096 Dec 8 10:24 writing_new
drwxr-xr-x 3 ese-jianglj ese-ouycc 4096 Dec 6 18:14 writing_new_from_zip
-rw-r--r-- 1 ese-jianglj ese-ouycc 845354 Dec 8 10:27 writing_new.zip
[ese-jianglj@login02 data_demo]$
```

改权限再查相关信息

```
[ese-jianglj@login02 data_demo]$ chmod 744 wirting_new
chmod: cannot access 'wirting_new': No such file or directory
[ese-jianglj@login02 data_demo]$ chmod 710 writing_new
[ese-jianglj@login02 data_demo]$ ls -l
total 1031
drwxr-xr-x 2 ese-jianglj ese-ouycc 4096 Nov 24 19:23 creatures
drwxr-xr-x 5 ese-jianglj ese-ouycc 4096 Nov 24 19:23 data
lrwxrwxrwx 1 ese-jianglj ese-ouycc 9 Dec 7 15:10 data_demo -> 
-rw-r--r-- 1 ese-jianglj ese-ouycc 596 Dec 3 16:41 log1
-rw-r--r-- 1 ese-jianglj ese-ouycc 100 Dec 3 16:32 log2
drwxr-xr-x 2 ese-jianglj ese-ouycc 4096 Dec 6 17:09 molecules
drwxr-xr-x 3 ese-jianglj ese-ouycc 4096 Nov 24 19:23 north-pacific-gyre
-rwxr-xr-x 1 ese-jianglj ese-ouycc 69 Nov 24 19:23 notes
-rwxr-xr-x 1 ese-jianglj ese-ouycc 32 Nov 24 19:23 pizza.cfg
-rwxr-xr-x 1 ese-jianglj ese-ouycc 21583 Nov 24 19:23 solar.pdf
drwxr-xr-x 3 ese-jianglj ese-ouycc 4096 Nov 24 20:37 thesis
drwxr-xr-x 5 ese-jianglj ese-ouycc 4096 Nov 24 19:23 writing
drwx--x-- 6 ese-jianglj ese-ouycc 4096 Dec 8 10:24 writing_new
drwxr-xr-x 3 ese-jianglj ese-ouycc 4096 Dec 6 18:14 writing_new_from_zip
-rw-r--r-- 1 ese-jianglj ese-ouycc 845354 Dec 8 10:27 writing_new.zip
[ese-jianglj@login02 data_demo]$
```

有可能是链接的文件有了问题，应该没有影响

(右边有个红框框在闪，但又不知道哪里出错)

### 1.10

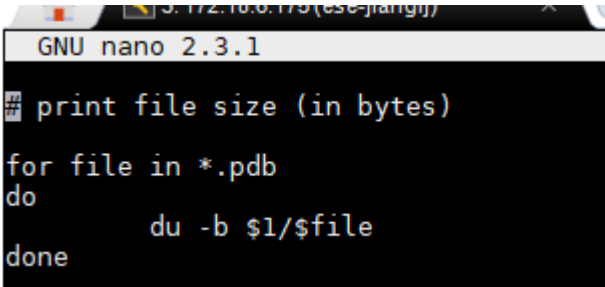
```
[ese-jianglj@login02 data_demo]$ history | tail
227 zip -q -r writing_new.zip writing_new
228 ls
229 unzip -q writing_new.zip -d writing_new_from_zip
230 ls
231 ll
232 ls -l
233 chmod 744 wirting_new
234 chmod 710 writing_new
235 ls -l
236 history | tail
[ese-jianglj@login02 data_demo]$ history | tail -n 10
228 ls
229 unzip -q writing_new.zip -d writing_new_from_zip
230 ls
231 ll
232 ls -l
233 chmod 744 wirting_new
234 chmod 710 writing_new
235 ls -l
236 history | tail
237 history | tail -n 10
[ese-jianglj@login02 data_demo]$
```

2.

```
[ese-jianglj@login02 pdb]$ nano file_size.sh
[ese-jianglj@login02 pdb]$ ./file_size.sh ~/data_demo/data/pdb
1516    /work/ese-jianglj/data_demo/data/pdb/aldrin.pdb
306     /work/ese-jianglj/data_demo/data/pdb/ammonia.pdb
1444    /work/ese-jianglj/data_demo/data/pdb/ascorbic-acid.pdb
1030    /work/ese-jianglj/data_demo/data/pdb/benzaldehyde.pdb
1830    /work/ese-jianglj/data_demo/data/pdb/camphene.pdb
5049    /work/ese-jianglj/data_demo/data/pdb/cholesterol.pdb
1090    /work/ese-jianglj/data_demo/data/pdb/cinnamaldehyde.pdb
1694    /work/ese-jianglj/data_demo/data/pdb/citronellal.pdb
2452    /work/ese-jianglj/data_demo/data/pdb/codeine.pdb
1158    /work/ese-jianglj/data_demo/data/pdb/cubane.pdb
895     /work/ese-jianglj/data_demo/data/pdb/cyclobutane.pdb
1384    /work/ese-jianglj/data_demo/data/pdb/cyclohexanol.pdb
695     /work/ese-jianglj/data_demo/data/pdb/cyclopropane.pdb
622     /work/ese-jianglj/data_demo/data/pdb/ethane.pdb
690     /work/ese-jianglj/data_demo/data/pdb/ethanol.pdb
2396    /work/ese-jianglj/data_demo/data/pdb/ethylcyclohexane.pdb
765     /work/ese-jianglj/data_demo/data/pdb/glycol.pdb
4209    /work/ese-jianglj/data_demo/data/pdb/heme.pdb
1064    /work/ese-jianglj/data_demo/data/pdb/lactic-acid.pdb
2562    /work/ese-jianglj/data_demo/data/pdb/lactose.pdb
11193   /work/ese-jianglj/data_demo/data/pdb/lanoxin.pdb
3395    /work/ese-jianglj/data_demo/data/pdb/lsd.pdb
2562    /work/ese-jianglj/data_demo/data/pdb/maltose.pdb
2164    /work/ese-jianglj/data_demo/data/pdb/menthol.pdb
422     /work/ese-jianglj/data_demo/data/pdb/methane.pdb
490     /work/ese-jianglj/data_demo/data/pdb/methanol.pdb
1869    /work/ese-jianglj/data_demo/data/pdb/mint.pdb
2288    /work/ese-jianglj/data_demo/data/pdb/morphine.pdb
2123    /work/ese-jianglj/data_demo/data/pdb/mustard.pdb
1680    /work/ese-jianglj/data_demo/data/pdb/nerol.pdb
2729    /work/ese-jianglj/data_demo/data/pdb/norethindrone.pdb
1828    /work/ese-jianglj/data_demo/data/pdb/octane.pdb
1226    /work/ese-jianglj/data_demo/data/pdb/pentane.pdb
2287    /work/ese-jianglj/data_demo/data/pdb/piperine.pdb

825     /work/ese-jianglj/data_demo/data/pdb/propane.pdb
1256    /work/ese-jianglj/data_demo/data/pdb/pyridoxal.pdb
3303    /work/ese-jianglj/data_demo/data/pdb/quinine.pdb
2675    /work/ese-jianglj/data_demo/data/pdb/strychnine.pdb
1159    /work/ese-jianglj/data_demo/data/pdb/styrene.pdb
2562    /work/ese-jianglj/data_demo/data/pdb/sucrose.pdb
2787    /work/ese-jianglj/data_demo/data/pdb/testosterone.pdb
2196    /work/ese-jianglj/data_demo/data/pdb/thiamine.pdb
1508    /work/ese-jianglj/data_demo/data/pdb/tnt.pdb
2395    /work/ese-jianglj/data_demo/data/pdb/tuberin.pdb
2103    /work/ese-jianglj/data_demo/data/pdb/tyrian-purple.pdb
1361    /work/ese-jianglj/data_demo/data/pdb/vanillin.pdb
423     /work/ese-jianglj/data_demo/data/pdb/vinyl-chloride.pdb
2894    /work/ese-jianglj/data_demo/data/pdb/vitamin-a.pdb
[ese-jianglj@login02 pdb]$
```

## Nano 编辑器上的代码



```
GNU nano 2.3.1
# print file size (in bytes)
for file in *.pdb
do
    du -b $1/$file
done
```