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admin@raspberrypi:~
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-rw-r--r-- 1 admin admin 256 Aug 1 11:33 program-2 led on off.py
drwxr-xr-x 2 admin admin 4096 Aug 1 10:18 Public
drwxr-xr-x 2 admin admin 4096 Aug 1 10:18 Templates
drwxr-xr-x 2 admin admin 4096 Aug 1 10:18 Videos
admin@raspberrypi:~ $ sudo chown root abc.txt
admin@raspberrypi:~ $ ls -l abc.txt
-rw-r--r-- 1 root admin 0 Aug 12 11:10 abc.txt
admin@raspberrypi:~ $ sudo chgrp root abc.txt
admin@raspberrypi:~ $ ls -l abc.txt
-rw-r--r-- 1 root root 0 Aug 12 11:10 abc.txt
admin@raspberrypi:~ $ ip addr show
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
        inet 127.0.0.1/8 scope host lo
            valid_lft forever preferred_lft forever
            inet6 ::1/128 scope host noprefixroute
                valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
    link/ether d8:3a:dd:14:61:a3 brd ff:ff:ff:ff:ff:ff
        inet 172.17.12.6/24 brd 172.17.15.255 scope global dynamic noprefixroute ethe
            valid_lft 5065sec preferred_lft 5065sec
        inet6 fe80::1ff4:82be:99f2:741d/64 scope link noprefixroute
            valid_lft forever preferred_lft forever
3: wlan0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc pfifo_fast state DOWN group default qlen 1000
    link/ether d8:3a:dd:14:61:a5 brd ff:ff:ff:ff:ff:ff
admin@raspberrypi:~ $ ping 172.17.12.6
PING 172.17.12.6 (172.17.12.6) 56(84) bytes of data.
64 bytes from 172.17.12.6: icmp_seq=1 ttl=64 time=0.081 ms
64 bytes from 172.17.12.6: icmp_seq=2 ttl=64 time=0.056 ms
64 bytes from 172.17.12.6: icmp_seq=3 ttl=64 time=0.120 ms
64 bytes from 172.17.12.6: icmp_seq=4 ttl=64 time=0.119 ms
64 bytes from 172.17.12.6: icmp_seq=5 ttl=64 time=0.068 ms
^C
--- 172.17.12.6 ping statistics ---
5 packets transmitted, 5 received, 0% packet loss, time 4090ms
rtt min/avg/max/mdev = 0.056/0.088/0.120/0.026 ms
admin@raspberrypi:~ $ ls -l abc.txt
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File Edit Terminal admin@raspberrypi:~
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admin@raspberrypi:~ $ ls
2a.py 2d.py 3c.py  Bookshelf  Downloads  'object detection.py'  'program-2 led on off.py'  Videos
2b.py 3a.py 3d.py  Desktop   Music      program-1.py
2c.py 3b.py 4a,c.py Documents  Pictures  Public
admin@raspberrypi:~ $ cd /
admin@raspberrypi:/$ pwd
/
admin@raspberrypi:/ $ touch a.txt
touch: cannot touch 'a.txt': Permission denied
admin@raspberrypi:/ $ cd /home/admin
admin@raspberrypi:/ $ touch a.txt
admin@raspberrypi:/ $ ls
2a.py 2d.py 3c.py  a.txt  Documents  'object detection.py'  'program-2 led on off.py'  Videos
2b.py 3a.py 3d.py  Bookshelf  Downloads  Pictures  Public
2c.py 3b.py 4a,c.py Desktop   Music    program-1.py  Templates
admin@raspberrypi:/ $ mv a.txt /iot
mv: cannot move 'a.txt' to '/iot': Permission denied
admin@raspberrypi:/ $ mv a.txt /home/admin/iot
admin@raspberrypi:/ $ ls
2a.py 2d.py 3c.py  Bookshelf  Downloads  'object detection.py'  'program-2 led on off.py'  Videos
2b.py 3a.py 3d.py  Desktop   iot      Pictures  Public
2c.py 3b.py 4a,c.py Documents  Music    program-1.py  Templates
admin@raspberrypi:/ $ cd iot
bash: cd: iot: Not a directory
admin@raspberrypi:/ $ cd /home/admin/iot
bash: cd: /home/admin/iot: Not a directory
admin@raspberrypi:/ $ rm iot
admin@raspberrypi:/ $ ls
2a.py 2d.py 3c.py  Bookshelf  Downloads  Pictures  Public
2b.py 3a.py 3d.py  Desktop   Music    program-1.py  Templates
2c.py 3b.py 4a,c.py Documents  'object detection.py'  'program-2 led on off.py'  Videos
admin@raspberrypi:/ $
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admin@raspberrypi:~ ls(1)手册页 - 由 man-db 提供 (2014-01-23)
NAME      ls - list directory contents
SYNOPSIS  ls [OPTION]... [FILE]...
DESCRIPTION
    List information about the FILES (the current directory by default). Sort entries alphabetically if none of -cftuvSUX nor --sort is specified.
    Mandatory arguments to long options are mandatory for short options too.
    -a, --all
        do not ignore entries starting with .
    -A, --almost-all
        do not list implied . and ..
    --author
        with -l, print the author of each file
    -b, --escape
        print C-style\ escapes for nongraphic characters
    --block-size=SIZE
        with -l, scale sizes by SIZE when printing them; e.g., '--block-size=M'; see SIZE format below
    -B, --ignore-backups
        do not list implied entries ending with -
    -c      with -lt: sort by, and show, ctime (time of last modification of file status information); with -l: show ctime and
           sort by name; otherwise: sort by ctime, newest first
    -c      list entries by columns
Manual page ls(1) line 1 (press h for help or q to quit)

admin@raspberrypi:~ $ man
What manual page do you want?
For example, try 'man man'.
admin@raspberrypi:~ $ man ls
admin@raspberrypi:~ $ mkdir iot
admin@raspberrypi:~ $ ls
2a.py 2d.py 3c.py  Bookshelf  Downloads  'object detection.py'  'program-2 led on off.py'  Videos
2b.py 3a.py 3d.py  Desktop   iot       Pictures  Public
2c.py 3b.py 4a,c.py Documents  Music     program-1.py  Templates
admin@raspberrypi:~ $ rmdir iot
admin@raspberrypi:~ $ ls
2a.py 2d.py 3c.py  Bookshelf  Downloads  Pictures  Public
2b.py 3a.py 3d.py  Desktop   Music     program-1.py  Templates
2c.py 3b.py 4a,c.py Documents  'object detection.py'  'program-2 led on off.py'  Videos
admin@raspberrypi:~ $ touch abc.txt
admin@raspberrypi:~ $ touch abcd.txt
admin@raspberrypi:~ $ tar -cvf archive.tar abc.txt abcd.txt
abc.txt
abcd.txt
admin@raspberrypi:~ $ ls
2a.py 2d.py 3c.py  abcd.txt  Bookshelf  Downloads  Pictures  Public
2b.py 3a.py 3d.py  abc.txt   Desktop   Music     program-1.py  Templates
2c.py 3b.py 4a,c.py [archive.tar] Documents  'object detection.py'  'program-2 led on off.py'  Videos
admin@raspberrypi:~ $ gzip abcd.txt
admin@raspberrypi:~ $ ls
2a.py 2d.py 3c.py  abed.txt.gz  Bookshelf  Downloads  Pictures  Public
2b.py 3a.py 3d.py  abc.txt   Desktop   Music     program-1.py  Templates
2c.py 3b.py 4a,c.py archive.tar  Documents  'object detection.py'  'program-2 led on off.py'  Videos
admin@raspberrypi:~ $ cat abc.txt
admin@raspberrypi:~ $ cat 2a.py
name =("Ram:")
print("Hello", name + "!")
file_path = ("Enter the file path:")
try:
    with open(file_path,'r') as file:
        line_number = 1
        for line in file:
            words = line.split()

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File Edit Tabs Help  
file_path": Enter the file path:  
try:  
    with open(file_path, "r") as file:  
        line_number = 1  
        for line in file:  
            words = line.strip().split()  
            word_count = len(words)  
            print(f"Line{line_number}:{(word_count)}{words}")  
            line_number += 1  
    except FileNotFoundError:  
        print("Error: File Not found. Please check the file path.")  
    except Exception as e:  
        print(f"An error occurred:{e}")
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File Edit Tabs Help  
  
admin@raspberrypi:- $ q  
bash: q: command not found  
admin@raspberrypi:- $ less 2b.py  
admin@raspberrypi:- $ ps  
  PID TTY      TIME CMD  
 2155 pts/0    00:00:00 bash  
 2413 pts/0    00:00:00 ps  
admin@raspberrypi:- $ sudo mkdir /iot  
admin@raspberrypi:- $ ls /  
bin  boot  dev  etc  home  iot  lib  lost+found  media  mnt  opt  proc  root  run  sbin  srv  sys  tmp  usr  var  
admin@raspberrypi:- $ crontab -e  
no crontab for admin - using an empty one  
  
Select an editor. To change later, run 'select-editor'.  
1. /bin/nano      <---- easiest  
2. /usr/bin/vim.tiny  
3. /bin/ed  
I  
Choose 1-3 [1]:  
No modification made  
admin@raspberrypi:- $ chown abc.txt  
chown: missing operand after 'abc.txt'  
Try 'chown --help' for more information.  
admin@raspberrypi:- $ ls -l  
total 100  
-rw-r--r-- 1 admin admin   41 Aug  1 11:34 2a.py  
-rw-r--r-- 1 admin admin  108 Aug  1 11:35 2b.py  
-rw-r--r-- 1 admin admin  201 Aug  1 11:35 2c.py  
-rw-r--r-- 1 admin admin  984 Aug  1 11:37 2d.py  
-rw-r--r-- 1 admin admin  140 Aug  1 11:37 3a.py  
-rw-r--r-- 1 admin admin  324 Aug  1 11:38 3b.py  
-rw-r--r-- 1 admin admin   99 Aug  1 11:38 3c.py  
-rw-r--r-- 1 admin admin  749 Aug  1 11:39 3d.py  
-rw-r--r-- 1 admin admin  258 Aug  1 11:40 4a,c.py
```