```
ruan@ubuntu:~$ mkdir ~/11812109
ruan@ubuntu:~$ ls -la ~
total 100
drwxr-xr-x 17 ruan ruan 4096 Jan 20 01:19 .
drwxr-xr-x 3 root root 4096 Jan 13 01:52 .
drwxrwxr-x 2 ruan ruan 4096 Jan 20 01:19 11812109
-rw----- 1 ruan ruan
                             706 Jan 13 06:50 .bash history
-rw-r--r-- 1 ruan ruan 220 Jan 13 01:52 .bash logout
-rw-r--r-- 1 ruan ruan 3771 Jan 13 01:52 .bashrc
drwxrwxr-x 15 ruan ruan 4096 Jan 13 06:03 .cache
drwx----- 11 ruan ruan 4096 Jan 13 02:12 .config
drwxr-xr-x 2 ruan ruan 4096 Jan 13 02:02 Desktop
drwxr-xr-x 2 ruan ruan 4096 Jan 13 02:02 Documents
drwxr-xr-x 2 ruan ruan 4096 Jan 13 02:02 Downloads
drwxr-xr-x 3 ruan ruan 4096 Jan 13 02:02 .gnupg
drwxr-xr-x 3 ruan ruan 4096 Jan 13 02:02 .local
drwxr-xr-x 5 ruan ruan 4096 Jan 13 02:06 .mozilla
drwxr-xr-x 2 ruan ruan 4096 Jan 13 02:02 Music
drwxrwxr-x 3 ruan ruan 4096 Jan 13 06:33 05
drwxr-xr-x 2 ruan ruan 4096 Jan 13 02:02 Pictures
-rw-r--r-- 1 ruan ruan 807 Jan 13 01:52 .profile
drwxr-xr-x 2 ruan ruan 4096 Jan 13 02:02 Public
-rw-r--r-- 1 ruan ruan 0 Jan 13 06:02 .sudo_as_admin_successful
-rw----- 1 ruan ruan 12288 Jan 13 06:24 .swp
drwxr-xr-x 2 ruan ruan 4096 Jan 13 02:02 Templates
drwxr-xr-x 2 ruan ruan 4096 Jan 13 02:02 Videos
-rw----- 1 ruan ruan 2852 Jan 13 06:39 .viminfo
ruan@ubuntu:~$ cd ~/11812109
ruan@ubuntu:~/11812109$
```

```
CREP(1)

NAME

grep, egrep, fgrep, rgrep - print lines that match patterns

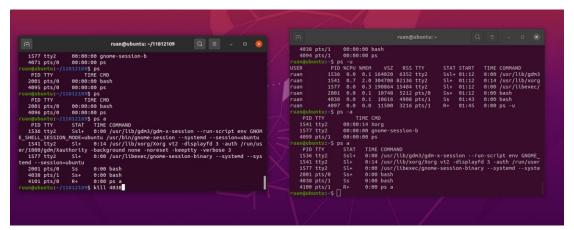
SYMOPIS

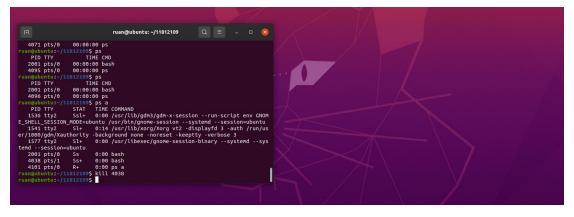
grep (OPIION...) PATHERNS [File...]

grep (OPIION...) PATHERNS [File...]
```

```
ruan@ubuntu:~\$ cd ~/11812109\\
ruan@ubuntu:~\/11812109\\
mv: cannot move '/home/ruan/11812109' to '/home/11812109': Permission denied ruan@ubuntu:~\/11812109\\
sudo mv ~/11812109\\
sudo mv ~/11812109\/
ruan@ubuntu:~\/11812109\\
sudo mv ~/11812109\/
sudo mv ~/11812109\/
sudo mv ~/11812109\/
sudo mv ~/11812109\/
rm: cannot remove '/home/11812109
rm: cannot remove '/home/11812109': Permission denied ruan@ubuntu:~\/11812109\\
sudo sudo rm -r /home/11812109
ruan@ubuntu:~\/11812109\\
sudo rm -r /home/11812109
ruan@ubuntu:~\/11812109\\
sudo cp /etc/apt/sources.list /etc/apt/sources.list.bak
ruan@ubuntu:~\/11812109\\
sudo cp /etc/apt/sources.list /etc/apt/sources.list.bak
ruan@ubuntu:~\/11812109\\
sudo cp /etc/shells
```

```
ruan@ubuntu:~/11812109$ cat /etc/shells | grep bash
/bin/bash
/usr/bin/bash
/bin/rbash
/usr/bin/rbash
```





```
ruan@ubuntu:~$ sudo vim opt.c
[sudo] password for ruan:
ruan@ubuntu:~$ gcc -S opt.c -o0 -o opt0.s
cc1: error: output filename specified twice
ruan@ubuntu:~$ gcc -S opt.c -00 -o opt0.s
ruan@ubuntu:~$ gcc -S opt.c -01 -o opt1.s
ruan@ubuntu:~$ cat opt0.s
            .file "opt.c"
            .text
            .section
                                    .rodata
.LC0:
            .string "%d\n"
            .text
            .globl main .type main, @function
main:
.LFB0:
            .cfi_startproc
            endbr64
            pushq %rbp
            .cfi_def_cfa_offset 16
            .cfi_offset 6, -16
            movq %rsp, %rbp
           .cfi_def_cfa_register 6
subq $16, %rsp
movl $0, -4(%rbp)
addl $1, -4(%rbp)
addl $1, -4(%rbp)
```

```
-uan@ubuntu:-$ gcc -S opt.c -01 -o opt1.s
-uan@ubuntu:-$ cat opt0.s
.file "opt.c"
                       .file "c
.text
.section
                                                                                                                                                                      ruan@ubuntu:~$ cat opt1.s
                                                                                                                                                                                            .file "
.text
.section
                                                                                                                                                                                                                        "opt.c
                                                                    .rodata
                                                                                                                                                                                                                                          .rodata.str1.1,"aMS",@progbits,1
  .LC0:
                        .string "%d\n"
                                                                                                                                                                                              .string "%d\n"
                       .text
.globl main
.type main, @function
                                                                                                                                                                                            .text
.globl main
.type main, @function
main:
.LFB0:
                    .cfi_startproc
endbr64
pushq %rbp
.cfi_def_cfa_offset 16
.cfi_offset 6, -16
movq %rsp, %rbp
.cfi_def_cfa_register 6
subq $16, %rsp
movl $0, -4(%rbp)
addl $1, -4(%rbp)
addl $1, -4(%rbp)
addl $1, -4(%rbp)
movl -4(%rbp), %eax
movl %eax, %est
leaq .LC0(%rip), %rdi
movl $0, %eax
call printf@PLT
movl $0, %eax
leave
                                                                                                                                                                     main:
.LFB23:
                                                                                                                                                                                        .cfi_startproc
endbr64
subq $8, %rsp
.cfi_def_cfa_offset 16
movl $3, %edx
leaq .LCO(%rtp), %rsi
movl $1, %edi
movl $0, %eax
call __print_chk@PLT
movl $6, %eax
addq $8, %rsp
.cfi_def_cfa_offset 8
ret
                      addl $1, -4(%rb
movl -4(%rbp),
movl &eax, %esi
leaq .LCO(%rip)
movl $0, %eax
call printf@PLT
movl $0, %eax
leave
.cfi_def_cfa 7, 8
ret
.cfi_endproc
                                                                                                                                                                                             ret
.cfi_endproc
                                                                                                                                                                      .LFE23:
                                                                                                                                                                                            .size main, .-main
.ident "GCC: (Ubuntu 9.3.0-17ubuntu1-20.04) 9.3.0"
.section .note.GNU-stack,"",@progbits
.section .note.gnu.property,"a"
                                                                                                                                                                                              .align 8
.long 1f - 0f
.long 4f - 1f
 .LFE0:
                       .size main, .-main
.ident "GCC: (Ubuntu 9.3.0-17ubuntu1-20.04) 9.3.0"
.section .note.GNU-stack,"",@progbits
.section .note.gnu.property,"a"
```