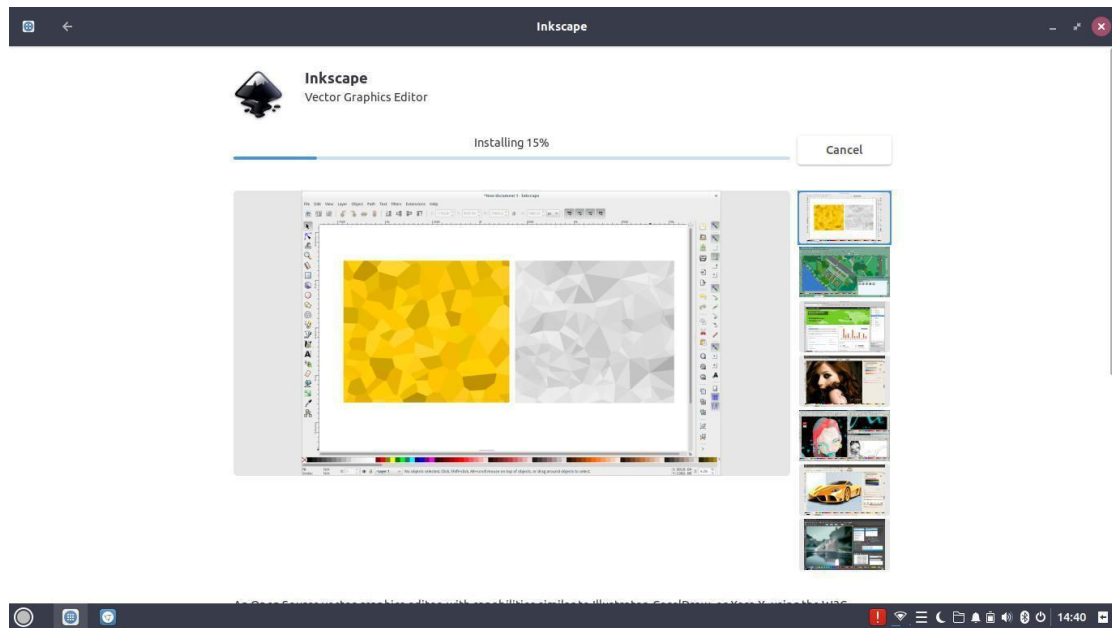


NAMA : JESSICA GUSTIN RAHAJENG
NIM / KELAS : L200170026 / B

MODUL 6

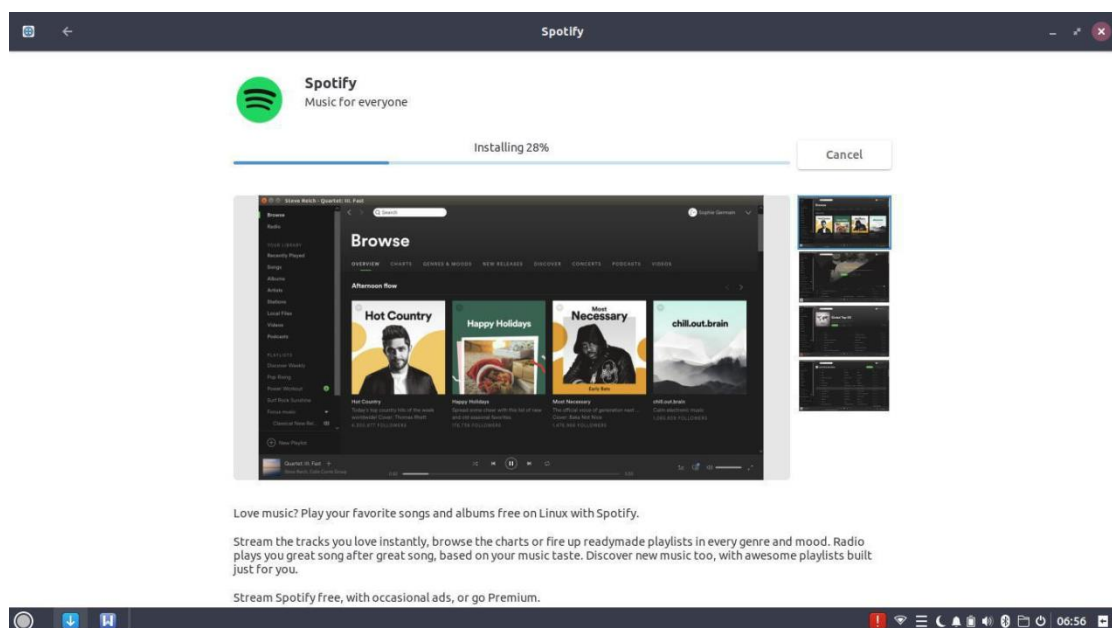
1. INKSCAPE

Berfungsi untuk membuat suatu desain seperti logo, gambar vektor, teks vektor, kartun, atau lukisan kompleks.



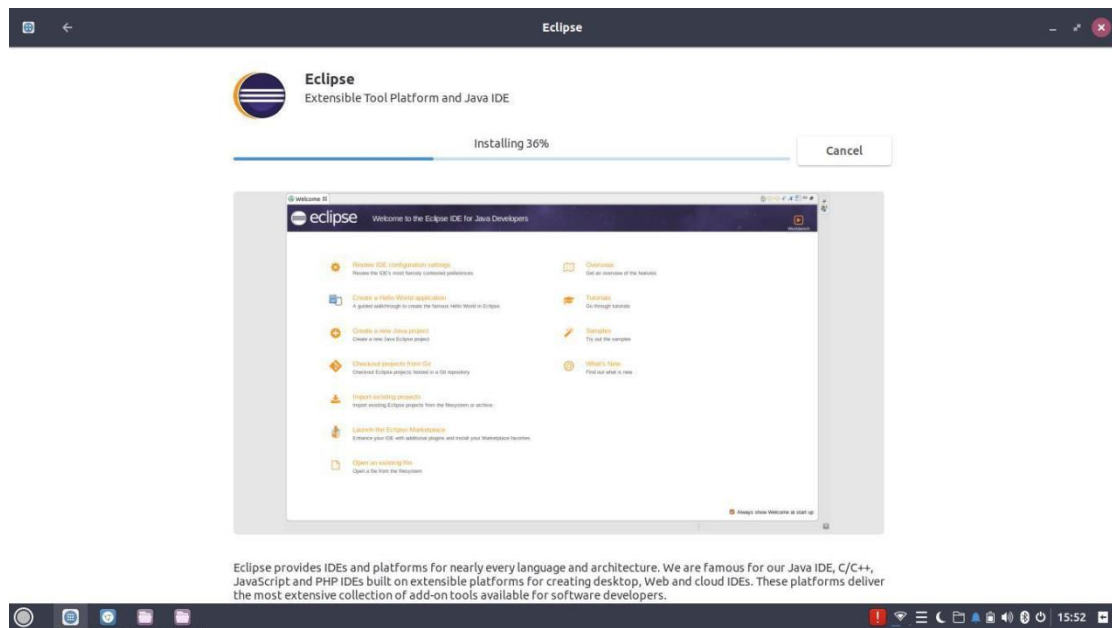
2. SPOTIFY

Berfungsi untuk memutar musik tanpa membayar, tetapi juga bisa memilih untuk mengupdate ke Spotify premium.



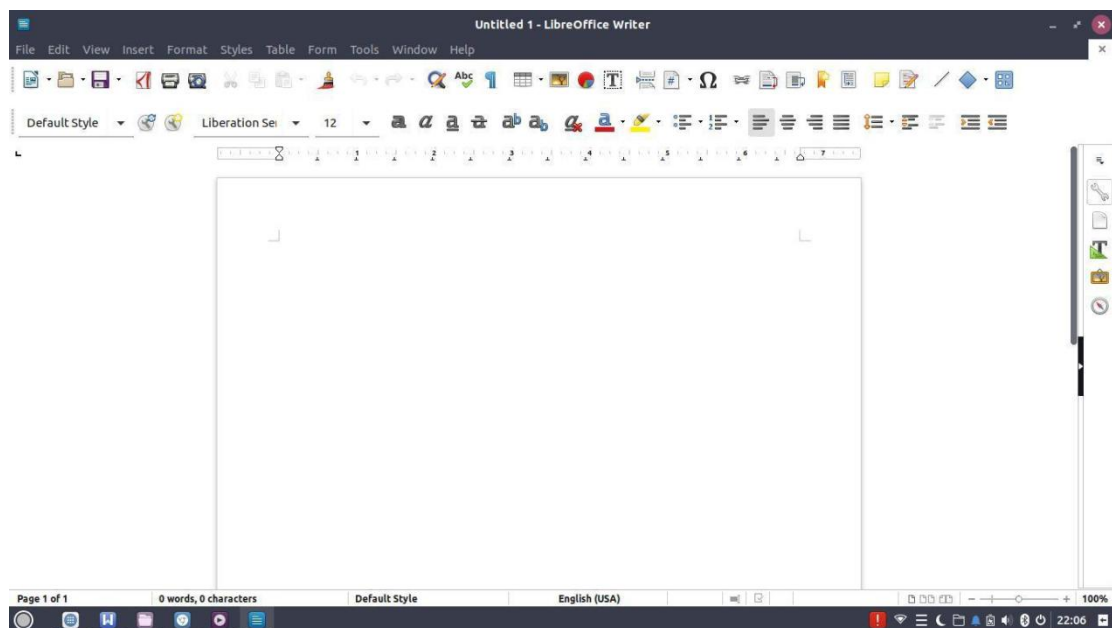
3. ECLIPSE

Berfungsi untuk teks editor menggunakan bahasa pemrograman java.



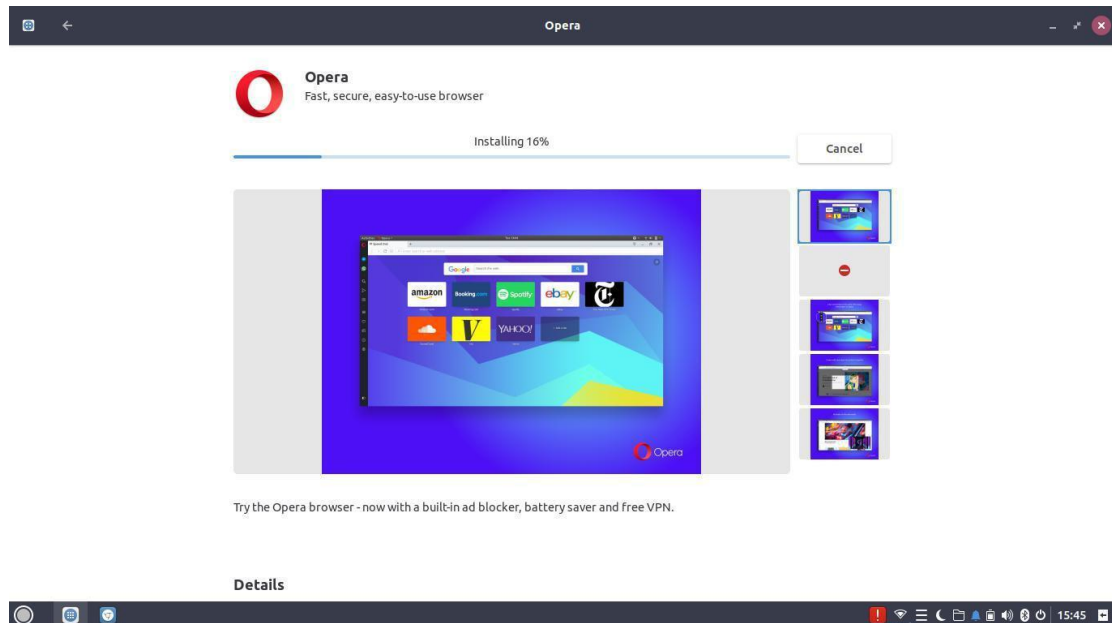
4. LIBREOFFICE WRITE

Berfungsi untuk teks editor menulis suatu dokumen



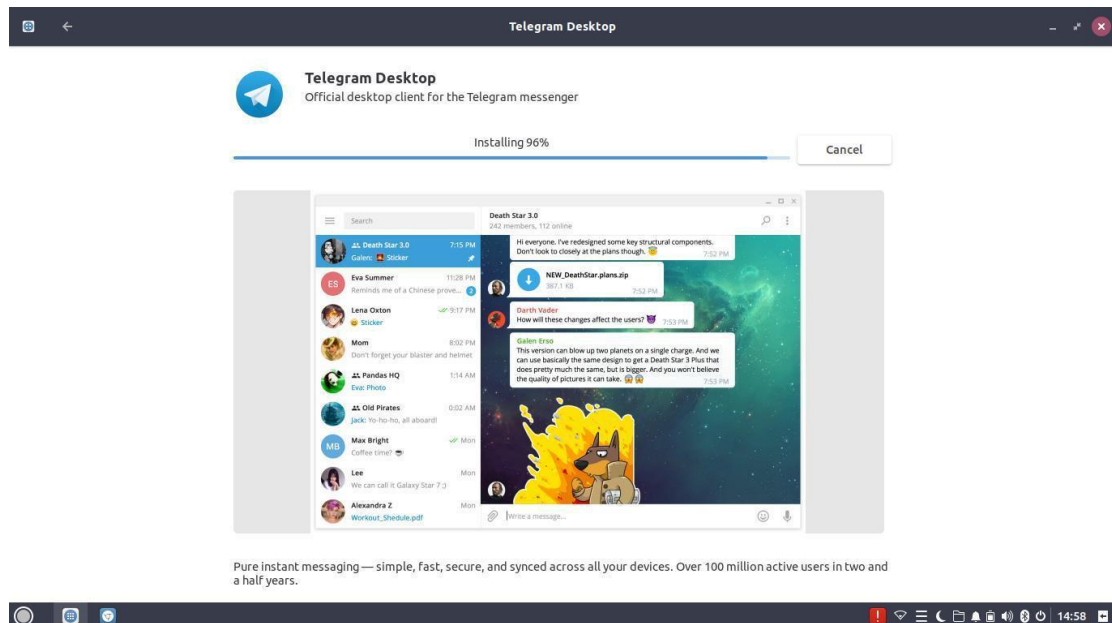
5. OPERA

Berfungsi untuk mencari berbagai informasi di internet.



6. TELEGRAM

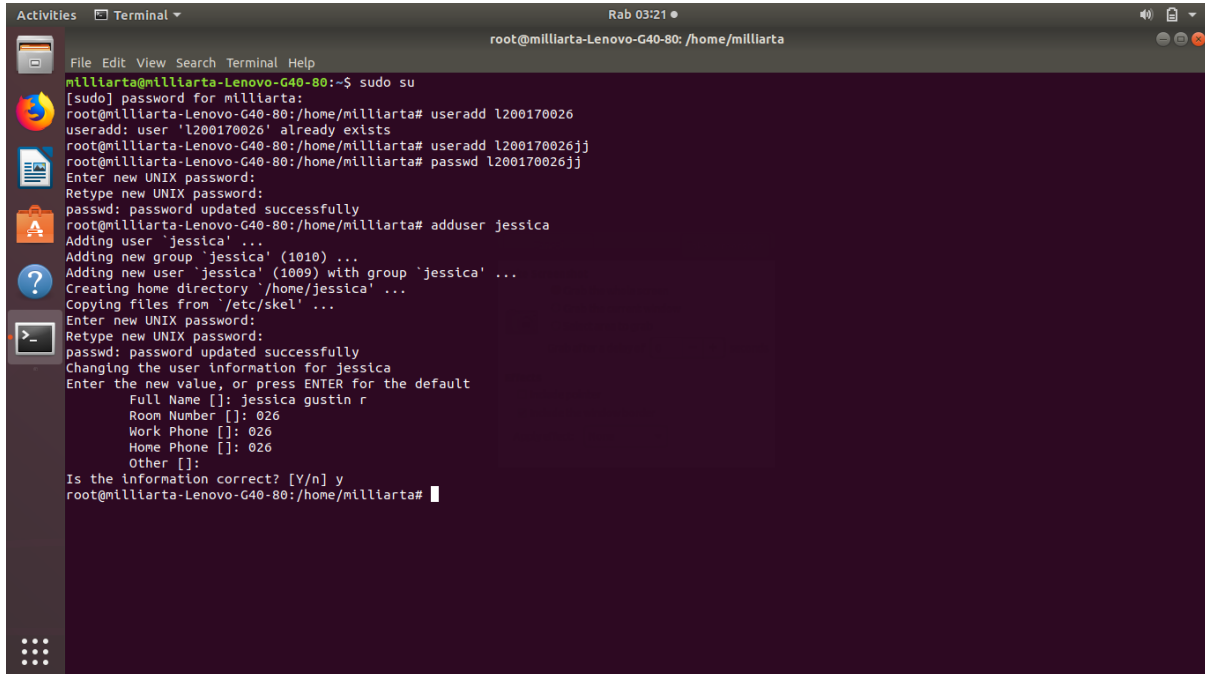
Berfungsi untuk mengirimkan pesan, dan bertukar file, baik itu gambar, video, audio dan juga dokumen.



MODUL 7

PRAKTIKUM 1

1. Membuat user baru dengan perintah “adduser l200170026jj”
2. Masukan password dan memasukan data diri



```
milliarta@milliarta-Lenovo-G40-80:~$ sudo su
[sudo] password for milliarta:
root@milliarta-Lenovo-G40-80:/home/milliarta# useradd l200170026
useradd: user 'l200170026' already exists
root@milliarta-Lenovo-G40-80:/home/milliarta# useradd l200170026jj
root@milliarta-Lenovo-G40-80:/home/milliarta# passwd l200170026jj
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
root@milliarta-Lenovo-G40-80:/home/milliarta# adduser jessica
Adding user 'jessica' ...
Adding new group 'jessica' (1010) ...
Adding new user 'jessica' (1009) with group 'jessica' ...
Creating home directory '/home/jessica' ...
Copying files from '/etc/skel' ...
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
Changing the user information for jessica
Enter the new value, or press ENTER for the default
  Full Name []: jessica gustin r
    Room Number []: 026
     Work Phone []: 026
    Home Phone []: 026
       Other []:
Is the information correct? [Y/n] y
root@milliarta-Lenovo-G40-80:/home/milliarta#
```

PRAKTIKUM 2

1. Membuat file latihan dengan perintah “touch latihan”
2. Ketik “chmod 666 latihan”
3. Lihat hasilnya dengan perintah “ls -l”
4. Ketik perintah “chmod 640 latihan”
5. Lihat hasilnya dengan perintah “ls -l”
6. Ketik perintah “chmod 111 latihan”
7. Lihat hasilnya dengan perintah “ls -l”
8. Ketik perintah “chmod 222 latihan”
9. Lihat hasilnya dengan perintah “ls -l”
10. Ketik perintah “chmod 333 latihan”
11. Lihat hasilnya dengan perintah “ls -l”

```
Activities Terminal
root@milliarta-Lenovo-G40-80: /home/milliarta
root@milliarta-Lenovo-G40-80:/home/milliarta# touch latihan
root@milliarta-Lenovo-G40-80:/home/milliarta# chmod 666 latihan
root@milliarta-Lenovo-G40-80:/home/milliarta# ls -l
total 112
-r-xr-x-wx 1 root root 0 Des 14 22:07 baru
-rw-r--r-- 1 milliarta milliarta 616 Des 12 09:50 copy.c
-rw-r--r-- 1 milliarta milliarta 322 Des 12 09:56 del.c
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Desktop
-rw-r--r-- 1 milliarta milliarta 365 Nov 28 10:25 dirlist.c
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Documents
drwxr-xr-x 2 milliarta milliarta 4096 Des 18 23:38 Downloads
-rw-r--r-- 1 milliarta milliarta 8980 Sep 18 18:35 examples.desktop
-rw-r--r-- 1 milliarta milliarta 586 Nov 28 10:06 exec.c
-rw-r--r-- 1 milliarta milliarta 427 Des 5 09:37 fappend.c
-rw-r--r-- 1 milliarta milliarta 492 Des 5 09:06 fcreate.c
-rw-r--r-- 1 milliarta milliarta 565 Nov 28 09:32 fork.c
-rw-r--r-- 1 milliarta milliarta 426 Des 5 09:27 fread.c
drwxr-xr-x 2 milliarta milliarta 4096 Des 24 12:25 L200170022
drwxr-xr-x 2 milliarta milliarta 4096 Des 22 20:29 L200170023
drwxr-xr-x 2 milliarta milliarta 4096 Des 26 03:09 L200170026
drwxr-xr-x 2 milliarta milliarta 4096 Des 18 21:10 L200170035
-rw-rw-rw- 1 root root 0 Des 26 03:22 latihan
-rw-r--r-- 1 milliarta milliarta 312 Des 12 09:06 list.c
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Music
-rw-r--r-- 1 milliarta milliarta 873 Des 12 09:35 mygrep.c
drwxr-xr-x 3 milliarta milliarta 4096 Des 26 03:22 Pictures
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Public
drwxr-xr-x 5 milliarta milliarta 4096 Nov 12 22:44 snap
-rw-r--r-- 1 milliarta milliarta 1384 Nov 28 10:21 stat.c
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Templates
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Videos
-rw-r--r-- 1 milliarta milliarta 525 Nov 28 09:50 wait.c
root@milliarta-Lenovo-G40-80:/home/milliarta# chmod 640 latihan
root@milliarta-Lenovo-G40-80:/home/milliarta# ls -l
total 112
-r-xr-x-wx 1 root root 0 Des 14 22:07 baru
-rw-r--r-- 1 milliarta milliarta 616 Des 12 09:50 copy.c
-rw-r--r-- 1 milliarta milliarta 322 Des 12 09:56 del.c
```

```
Activities Terminal
root@milliarta-Lenovo-G40-80: /home/milliarta
root@milliarta-Lenovo-G40-80:/home/milliarta# chmod 111 latihan
root@milliarta-Lenovo-G40-80:/home/milliarta# ls -l
total 112
-r-xr-x-wx 1 root root 0 Des 14 22:07 baru
-rw-r--r-- 1 milliarta milliarta 616 Des 12 09:50 copy.c
-rw-r--r-- 1 milliarta milliarta 322 Des 12 09:56 del.c
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Desktop
-rw-r--r-- 1 milliarta milliarta 365 Nov 28 10:25 dirlist.c
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Documents
drwxr-xr-x 2 milliarta milliarta 4096 Des 18 23:38 Downloads
-rw-r--r-- 1 milliarta milliarta 8980 Sep 18 18:35 examples.desktop
-rw-r--r-- 1 milliarta milliarta 586 Nov 28 10:06 exec.c
-rw-r--r-- 1 milliarta milliarta 427 Des 5 09:37 fappend.c
-rw-r--r-- 1 milliarta milliarta 492 Des 5 09:06 fcreate.c
-rw-r--r-- 1 milliarta milliarta 565 Nov 28 09:32 fork.c
-rw-r--r-- 1 milliarta milliarta 426 Des 5 09:27 fread.c
drwxr-xr-x 2 milliarta milliarta 4096 Des 24 12:25 L200170022
drwxr-xr-x 2 milliarta milliarta 4096 Des 22 20:29 L200170023
drwxr-xr-x 2 milliarta milliarta 4096 Des 26 03:09 L200170026
drwxr-xr-x 2 milliarta milliarta 4096 Des 18 21:10 L200170035
---x--x--x 1 root root 0 Des 26 03:22 latihan
-rw-r--r-- 1 milliarta milliarta 312 Des 12 09:06 list.c
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Music
-rw-r--r-- 1 milliarta milliarta 873 Des 12 09:35 mygrep.c
drwxr-xr-x 3 milliarta milliarta 4096 Des 26 03:22 Pictures
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Public
drwxr-xr-x 5 milliarta milliarta 4096 Nov 12 22:44 snap
-rw-r--r-- 1 milliarta milliarta 1384 Nov 28 10:21 stat.c
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Templates
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Videos
-rw-r--r-- 1 milliarta milliarta 525 Nov 28 09:50 wait.c
root@milliarta-Lenovo-G40-80:/home/milliarta# chmod 222 latihan
root@milliarta-Lenovo-G40-80:/home/milliarta# ls -l
total 112
-r-xr-x-wx 1 root root 0 Des 14 22:07 baru
-rw-r--r-- 1 milliarta milliarta 616 Des 12 09:50 copy.c
-rw-r--r-- 1 milliarta milliarta 322 Des 12 09:56 del.c
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Desktop
```

```
Activities Terminal
root@milliarta-Lenovo-G40-80: /home/milliarta
File Edit View Search Terminal Help
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Public
drwxr-xr-x 5 milliarta milliarta 4096 Nov 12 22:44 snap
-rw-r--r-- 1 milliarta milliarta 1384 Nov 28 10:21 stat.c
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Templates
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Videos
-rw-r--r-- 1 milliarta milliarta 525 Nov 28 09:50 wait.c
root@milliarta-Lenovo-G40-80:/home/milliarta# chmod 333 latihan
root@milliarta-Lenovo-G40-80:/home/milliarta# ls -l
total 112
-r-xr-x-wx 1 root root 0 Des 14 22:07 baru
-rw-r--r-- 1 milliarta milliarta 616 Des 12 09:50 copy.c
-rw-r--r-- 1 milliarta milliarta 322 Des 12 09:56 del.c
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Desktop
-rw-r--r-- 1 milliarta milliarta 365 Nov 28 10:25 dirlist.c
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Documents
drwxr-xr-x 2 milliarta milliarta 4096 Des 18 23:38 Downloads
-rw-r--r-- 1 milliarta milliarta 8980 Sep 18 18:35 examples.desktop
-rw-r--r-- 1 milliarta milliarta 586 Nov 28 10:06 exec.c
-rw-r--r-- 1 milliarta milliarta 427 Des 5 09:37 fappend.c
-rw-r--r-- 1 milliarta milliarta 492 Des 5 09:06 fcreate.c
-rw-r--r-- 1 milliarta milliarta 565 Nov 28 09:32 fork.c
-rw-r--r-- 1 milliarta milliarta 426 Des 5 09:27 fread.c
drwxr-xr-x 2 milliarta milliarta 4096 Des 24 12:25 L200170022
drwxr-xr-x 2 milliarta milliarta 4096 Des 22 20:29 L200170023
drwxr-xr-x 2 milliarta milliarta 4096 Des 26 03:09 L200170026
drwxr-xr-x 2 milliarta milliarta 4096 Des 18 21:10 L200170035
--wx-wx-wx 1 root root 0 Des 26 03:22 Latihan
-rw-r--r-- 1 milliarta milliarta 312 Des 12 09:06 list.c
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Music
-rw-r--r-- 1 milliarta milliarta 873 Des 12 09:35 mygrep.c
drwxr-xr-x 3 milliarta milliarta 4096 Des 26 03:22 Pictures
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Public
drwxr-xr-x 5 milliarta milliarta 4096 Nov 12 22:44 snap
-rw-r--r-- 1 milliarta milliarta 1384 Nov 28 10:21 stat.c
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Templates
drwxr-xr-x 2 milliarta milliarta 4096 Sep 19 02:25 Videos
-rw-r--r-- 1 milliarta milliarta 525 Nov 28 09:50 wait.c
root@milliarta-Lenovo-G40-80:/home/milliarta#
```

PRAKTIKUM 3

1. Ketik perintah "chmod 000 latihan" (tidak memberikan hak akses)
2. Lihat hasilnya dengan perintah "ls -l latihan"
3. Ketik perintah "chmod +r latihan"(menambah hak akses read)
4. Lihat hasilnya dengan perintah "ls -l latihan"
5. Ketik perintah "chmod +w latihan"(menambah hak akses write)
6. Lihat hasilnya dengan perintah "ls -l latihan"
7. Ketik perintah "chmod +x latihan"(menambah hak akses execute)
8. Lihat hasilnya dengan perintah "ls -l latihan"
9. Ketik perintah "chmod -x latihan"(menghilangkan hak akses execute)
10. Lihat hasilnya dengan perintah "ls -l latihan"
11. Ketik perintah "chmod -w latihan"(menghilangkan hak akses write)
12. Lihat hasilnya dengan perintah "ls -l latihan"
13. Ketik perintah "chmod -r latihan"(menghilangkan hak akses read)
14. Lihat hasilnya dengan perintah "ls -l latihan"

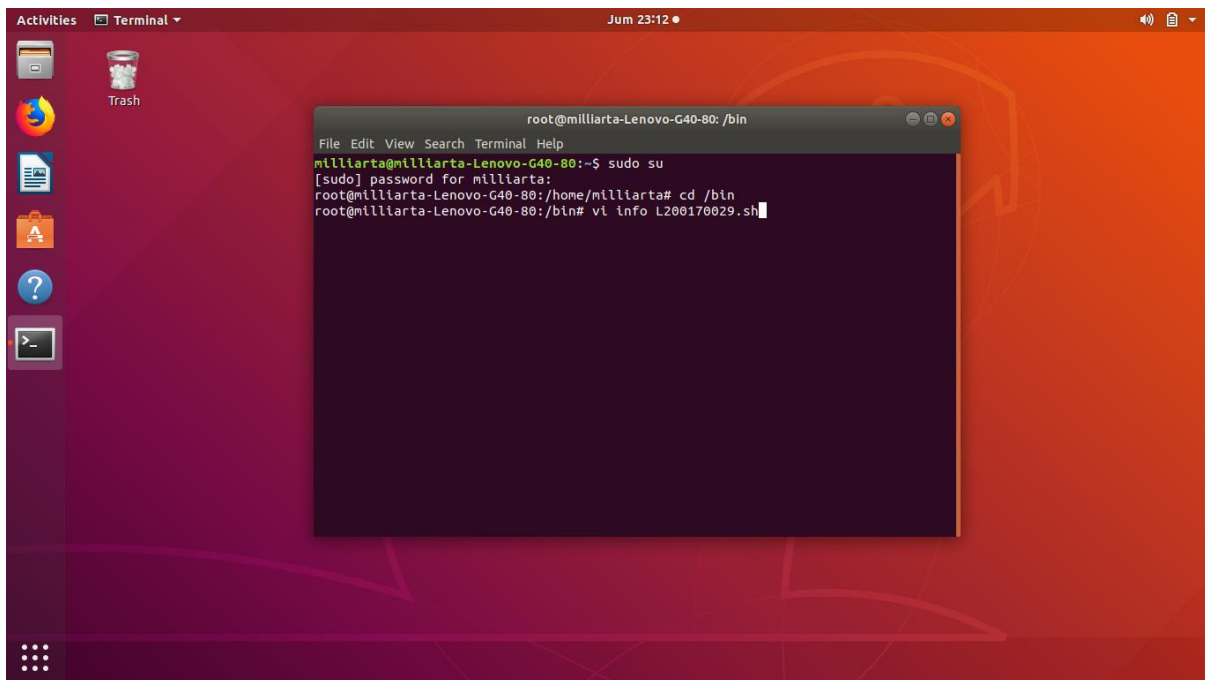
```
File Edit View Terminal Tabs Help
l200170115@windi-X456UR:~$ chmod 222 latihan
l200170115@windi-X456UR:~$ ls -l
total 32
drwxr-xr-x 2 l200170115 l200170115 4096 Nov 23 23:25 Desktop
drwxr-xr-x 2 l200170115 l200170115 4096 Nov 23 23:25 Documents
drwxr-xr-x 2 l200170115 l200170115 4096 Nov 23 23:25 Downloads
-rw-rw-rw- 1 l200170115 l200170115 0 Nov 23 23:28 latihan
drwxr-xr-x 2 l200170115 l200170115 4096 Nov 23 23:25 Music
drwxr-xr-x 2 l200170115 l200170115 4096 Nov 23 23:25 Pictures
drwxr-xr-x 2 l200170115 l200170115 4096 Nov 23 23:25 Public
drwxr-xr-x 2 l200170115 l200170115 4096 Nov 23 23:25 Templates
drwxr-xr-x 2 l200170115 l200170115 4096 Nov 23 23:25 Videos
l200170115@windi-X456UR:~$ chmod 333 latihan
l200170115@windi-X456UR:~$ ls -l
total 32
drwxr-xr-x 2 l200170115 l200170115 4096 Nov 23 23:25 Desktop
drwxr-xr-x 2 l200170115 l200170115 4096 Nov 23 23:25 Documents
drwxr-xr-x 2 l200170115 l200170115 4096 Nov 23 23:25 Downloads
-rwx-wx-wx 1 l200170115 l200170115 0 Nov 23 23:28 latihan
drwxr-xr-x 2 l200170115 l200170115 4096 Nov 23 23:25 Music
drwxr-xr-x 2 l200170115 l200170115 4096 Nov 23 23:25 Pictures
drwxr-xr-x 2 l200170115 l200170115 4096 Nov 23 23:25 Public
drwxr-xr-x 2 l200170115 l200170115 4096 Nov 23 23:25 Templates
drwxr-xr-x 2 l200170115 l200170115 4096 Nov 23 23:25 Videos
l200170115@windi-X456UR:~$ chmod 000 latihan
l200170115@windi-X456UR:~$ ls -l latihan
----- 1 l200170115 l200170115 0 Nov 23 23:28 latihan
l200170115@windi-X456UR:~$ chmod +r latihan
l200170115@windi-X456UR:~$ ls -l latihan
-r--r--r-- 1 l200170115 l200170115 0 Nov 23 23:28 latihan
l200170115@windi-X456UR:~$ chmod +w latihan
-rw-rw-r-- 1 l200170115 l200170115 0 Nov 23 23:28 latihan
l200170115@windi-X456UR:~$ chmod +x latihan
l200170115@windi-X456UR:~$ ls -l latihan
-rwxr-xr-x 1 l200170115 l200170115 0 Nov 23 23:28 latihan
l200170115@windi-X456UR:~$ chmod -x latihan
l200170115@windi-X456UR:~$ ls -l latihan
-rw-rw-r-- 1 l200170115 l200170115 0 Nov 23 23:28 latihan
l200170115@windi-X456UR:~$ chmod -w latihan
l200170115@windi-X456UR:~$ ls -l latihan
-r--r--r-- 1 l200170115 l200170115 0 Nov 23 23:28 latihan
l200170115@windi-X456UR:~$ chmod -r latihan
l200170115@windi-X456UR:~$ ls -l latihan
----- 1 l200170115 l200170115 0 Nov 23 23:28 latihan
l200170115@windi-X456UR:~$
```

PRAKTIKUM 4

1. Ketik perintah “sudo su” untuk masuk ke root
2. Ketik perintah “usermod -aG sudo l200170026” agar user menjadi sudo
3. Ketik perintah “su l200170026” untuk masuk ke user l200170026
4. Ketik perintah “cd /bin” untuk masuk ke folder bin
5. Ketik perintah “sudo su” untuk masuk ke root menggunakan user baru
6. Ketik perintah “nano info200170026.sh” untuk membuat file dengan info.sh
7. Kemudian ketik perintah seperti berikut :#!/bin/sh
WAKTU=”Tanggal dan jam saat ini : \c”
JMLUSER=”Jumlah user : \c”
AKU=”Status personal : \c”
echo -e”\$WAKTU”
date
echo -e”\$JMLUSER”
who | wc -l
echo -e”\$AKU”
Whoami
exit 0
8. Lalu simpan dengan cara ctrl +x
9. Ketik perintah “info200170026.sh” untuk memanggil file

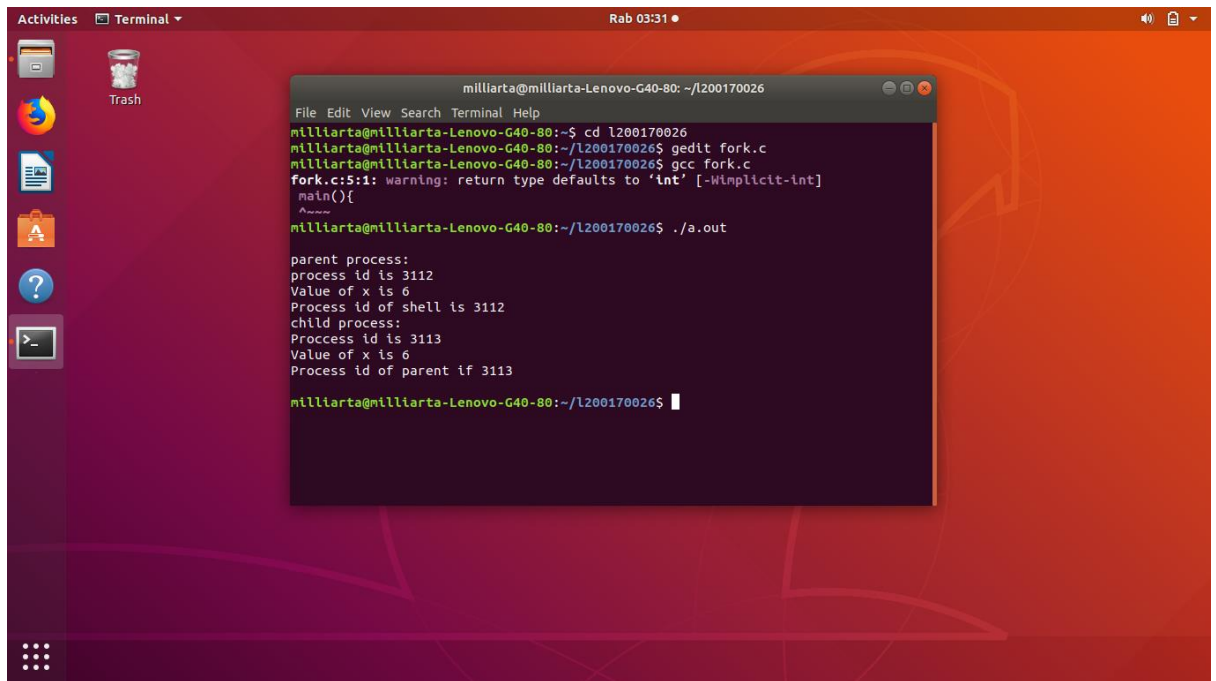
```
GNU nano 2.9.3 infoL200170009.sh Modified
#!/bin/sh
WAKTU ="Tanggal dan jam saat ini : \c"
JMLUSER ="Jumlah user: \c"
AKU ="Status personal: \c"
echo -e "$WAKTU"
date
echo -e "$JMLUSER"
who | wc -l
echo -e "$AKU"
whoami
exit 0
```

Get Help Write Out Where Is Cut Text Justify Cur Pos Undo Mark Text To Bracket
Exit Read File Replace Uncut Text To Linter Go To Line Redo Copy Text WhereIs Next



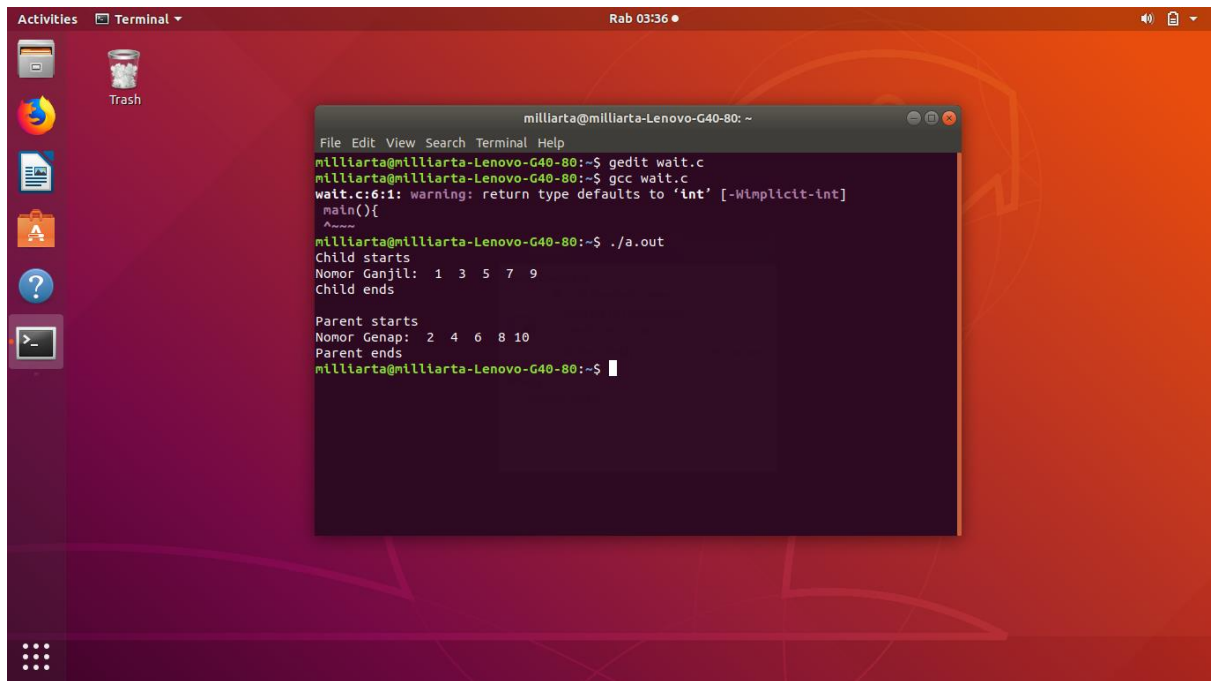
MODUL 8

- A. Ketik “gcc” pada terminal linux
- B. B. Fork.c
 - 1. Ketik perintah “gedit fork.c” untuk membuat file bernama fork
 - 2. Lalu ketik perintah yang terdapat pada modul
 - 3. Tekan ctrl+x untuk menyimpan file, lalu ketik “Y”, lalu enter (save)
 - 4. Ketik “gcc fork.c” untuk mengecek apakah codingan sudah benar atau belum.
 - 5. Ketik “./a.out fork.c” untuk menampilkan outputnya



```
milliarta@milliarta-Lenovo-G40-80: ~/l200170026
File Edit View Search Terminal Help
milliarta@milliarta-Lenovo-G40-80:~$ cd l200170026
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ gedit fork.c
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ gcc fork.c
fork.c:5:1: warning: return type defaults to 'int' [-Wimplicit-int]
main(){
^~~~~~
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ ./a.out
parent process:
process id is 3112
Value of x is 6
Process id of shell is 3112
child process:
Process id is 3113
Value of x is 6
Process id of parent if 3113
milliarta@milliarta-Lenovo-G40-80:~/l200170026$
```

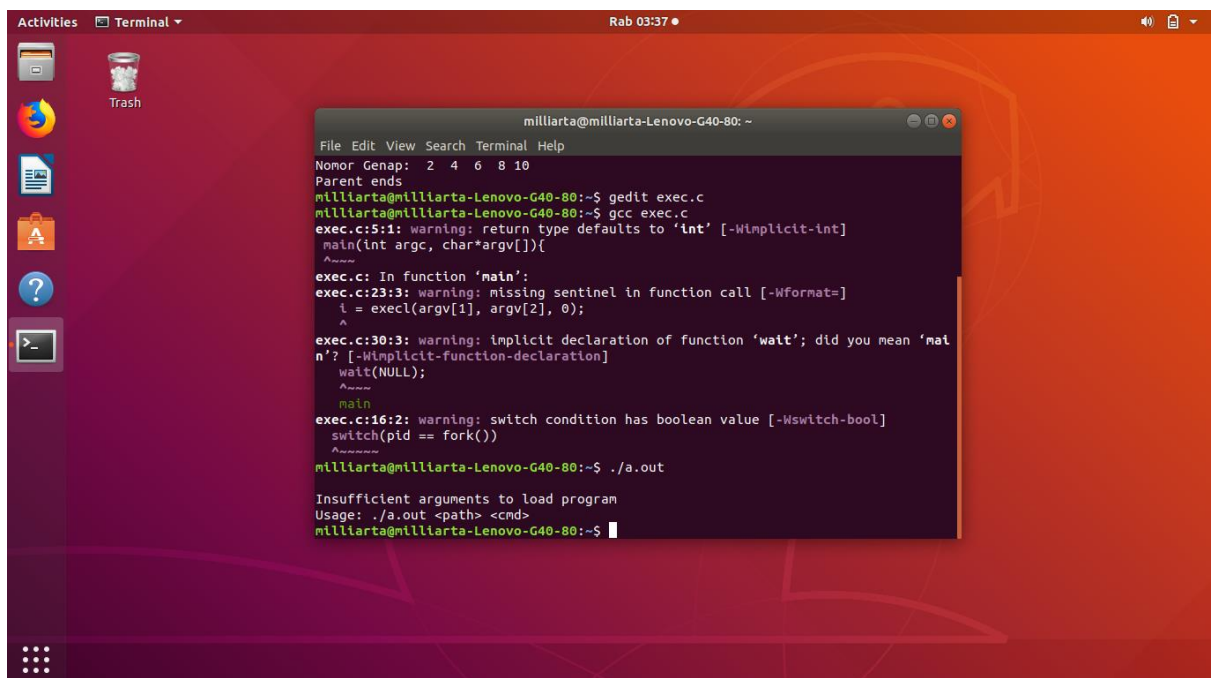
- C. wait.c
 - 1. Ketik perintah “gedit wait.c” untuk membuat file bernama wait
 - 2. Lalu ketik perintah yang terdapat pada modul
 - 3. Tekan ctrl+x untuk menyimpan file, lalu ketik “Y”, lalu enter (save)
 - 4. Ketik “gcc wait.c” untuk mengecek apakah codingan sudah benar atau belum.
 - 5. Ketik “./a.out wait.c” untuk menampilkan outputnya



```
milliarta@milliarta-Lenovo-G40-80: ~  
File Edit View Search Terminal Help  
milliarta@milliarta-Lenovo-G40-80:~$ gedit wait.c  
milliarta@milliarta-Lenovo-G40-80:~$ gcc wait.c  
wait.c:6:1: warning: return type defaults to 'int' [-Wimplicit-int]  
main(){  
    Parent starts  
    Child starts  
    Nomor Ganjil: 1 3 5 7 9  
    Child ends  
  
    Parent starts  
    Nomor Genap: 2 4 6 8 10  
    Parent ends  
milliarta@milliarta-Lenovo-G40-80:~$
```

D. exec.c

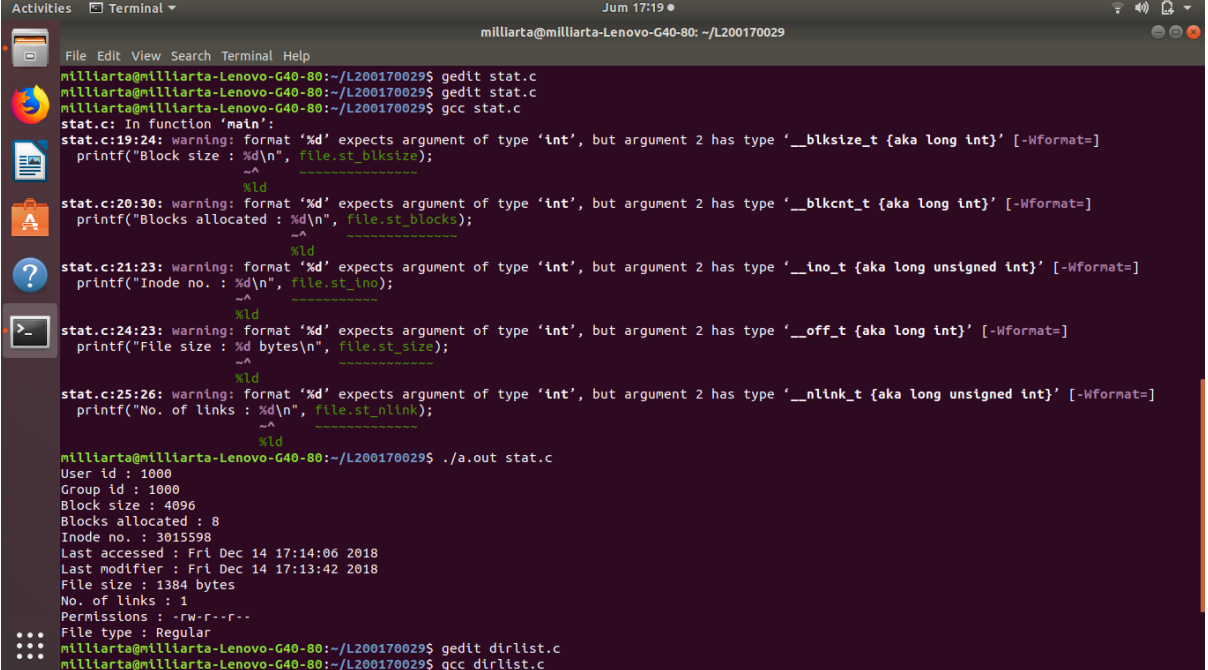
1. Ketik perintah “gedit exec.c” untuk membuat file bernama wait
2. Lalu ketik perintah yang terdapat pada modul
3. Tekan ctrl+x untuk menyimpan file, lalu ketik “Y”, lalu enter (save)
4. Ketik “gcc exec.c” untuk mengecek apakah codingan sudah benar atau belum
5. Ketik “./a.out /bin/ls ls” untuk menampilkan outputnya



```
milliarta@milliarta-Lenovo-G40-80: ~  
File Edit View Search Terminal Help  
Nomor Genap: 2 4 6 8 10  
Parent ends  
milliarta@milliarta-Lenovo-G40-80:~$ gedit exec.c  
milliarta@milliarta-Lenovo-G40-80:~$ gcc exec.c  
exec.c:5:1: warning: return type defaults to 'int' [-Wimplicit-int]  
main(int argc, char*argv[]){  
    Parent starts  
    exec.c: In function 'main':  
    exec.c:23:3: warning: missing sentinel in function call [-Wformat=]  
        i = execl(argv[1], argv[2], 0);  
        ^  
    exec.c:30:3: warning: implicit declaration of function 'wait'; did you mean 'main'? [-Wimplicit-function-declaration]  
        wait(NULL);  
        ^  
    main  
    exec.c:16:2: warning: switch condition has boolean value [-Wswitch-bool]  
        switch(pid == fork())  
        ^  
milliarta@milliarta-Lenovo-G40-80:~$ ./a.out  
Insufficient arguments to load program  
Usage: ./a.out <path> <cmd>  
milliarta@milliarta-Lenovo-G40-80:~$
```

E. stat.c

1. Ketik perintah “gedit stat.c” untuk membuat file bernama wait
2. Lalu ketik perintah yang terdapat pada modul
3. Tekan ctrl+x untuk menyimpan file, lalu ketik “Y”, lalu enter (save)
4. Ketik “gcc stat.c” untuk mengecek apakah codingan sudah benar atau belum
5. Ketik “./a.out stat.c” untuk menampilkan outputnya



```
milliarta@milliarta-Lenovo-G40-80: ~/L200170029
milliarta@milliarta-Lenovo-G40-80:~/L200170029$ gedit stat.c
milliarta@milliarta-Lenovo-G40-80:~/L200170029$ gedit stat.c
milliarta@milliarta-Lenovo-G40-80:~/L200170029$ gcc stat.c
stat.c:19:24: warning: format '%d' expects argument of type 'int', but argument 2 has type '__blksize_t {aka long int}' [-Wformat=]
  printf("Block size : %d\n", file.st_blksize);
                        ~^
                        %ld
stat.c:20:30: warning: format '%d' expects argument of type 'int', but argument 2 has type '__blkcnt_t {aka long int}' [-Wformat=]
  printf("Blocks allocated : %d\n", file.st_blocks);
                        ~^
                        %ld
stat.c:21:23: warning: format '%d' expects argument of type 'int', but argument 2 has type '__ino_t {aka long unsigned int}' [-Wformat=]
  printf("Inode no. : %d\n", file.st_ino);
                        ~^
                        %ld
stat.c:24:23: warning: format '%d' expects argument of type 'int', but argument 2 has type '__off_t {aka long int}' [-Wformat=]
  printf("File size : %d bytes\n", file.st_size);
                        ~^
                        %ld
stat.c:25:26: warning: format '%d' expects argument of type 'int', but argument 2 has type '__nlink_t {aka long unsigned int}' [-Wformat=]
  printf("No. of links : %d\n", file.st_nlink);
                        ~^
                        %ld
milliarta@milliarta-Lenovo-G40-80:~/L200170029$ ./a.out stat.c
User id : 1000
Group id : 1000
Block size : 4096
Blocks allocated : 8
Inode no. : 3015598
Last accessed : Fri Dec 14 17:14:06 2018
Last modifier : Fri Dec 14 17:13:42 2018
File size : 1384 bytes
No. of links : 1
Permissions : -rw-r--r--
File type : Regular
milliarta@milliarta-Lenovo-G40-80:~/L200170029$ gedit dirlist.c
milliarta@milliarta-Lenovo-G40-80:~/L200170029$ gcc dirlist.c
```

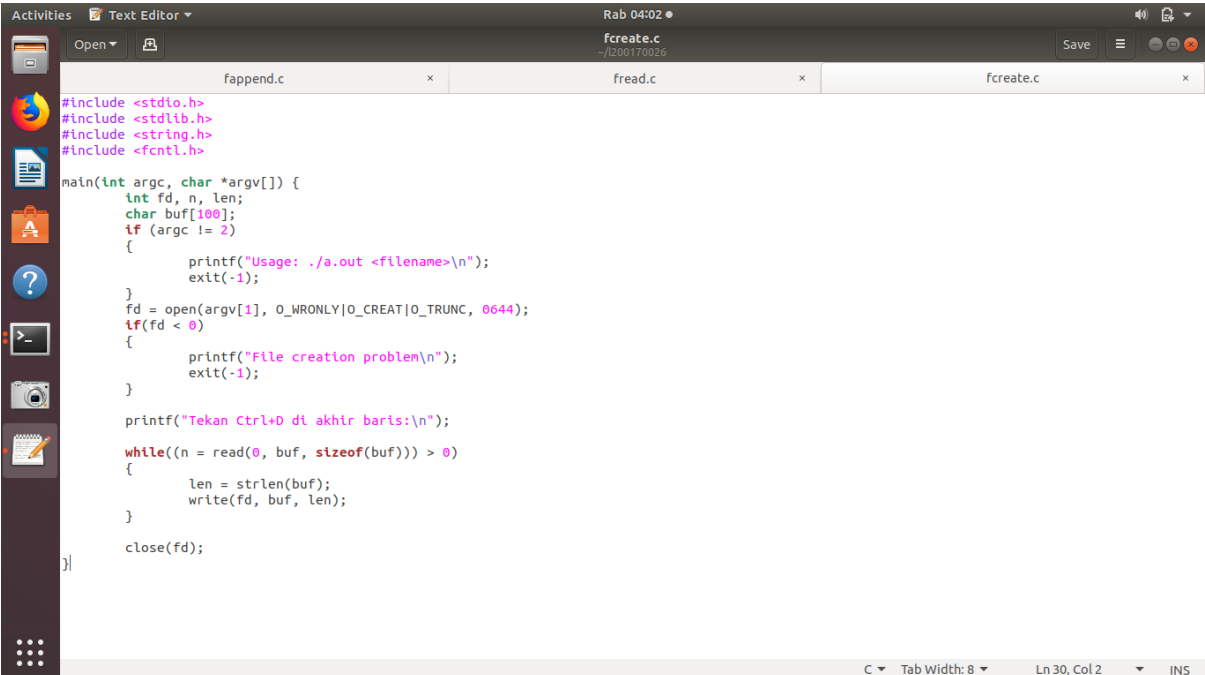
F. `dirlist.c`

1. Ketik perintah “gedit `dirlist.c`” untuk membuat file bernama wait
2. Lalu ketik perintah yang terdapat pada modul
3. Tekan `ctrl+x` untuk menyimpan file, lalu ketik “Y”, lalu enter (save)
4. Ketik “`dirlist stat.c`” untuk mengecek apakah codingan sudah benar atau belum
5. Ketik “`./a.out dirlist.c`” untuk menampilkan outputnya

```
File type is regular.
mllliarta@mllliarta-Lenovo-G40-80:~/L200170029$ gedit dirlist.c
mllliarta@mllliarta-Lenovo-G40-80:~/L200170029$ gcc dirlist.c
mllliarta@mllliarta-Lenovo-G40-80:~/L200170029$ ./a.out .
wait.c
exec.c
..
stat.c
.
fork.c
a.out
dirlist.c
mllliarta@mllliarta-Lenovo-G40-80:~/L200170029$
```

MODUL 9

1. Membuat sebuah file dan menuliskannya (fcreat.c)
2. Lalu di save dgn ctrl+x , Y dan enter
3. Cek dengan ketik gcc fcreat.c -o fcreat
4. Lalu ketik ./fcreat jj.txt untuk memanggil nama file
5. Kemudian ketikkan text yang akan disimpan dalam file , tekan ctrl+D dan tekan ctrl+C jika sudah selesai
6. Membaca sebuah file dan menampilkan isinya di layar (fread.c)
7. Cek dengan gcc fread.c -o fread
8. Menambah isi file (fappend.c)
9. Lalu cek dengan ketik gcc fappend.c -o fappend.
10. Lihat filenya dengan ketik ./fappend
11. Setelah itu tambahkan teks dengan ctrl+D ,setelah selesai ketik ctrl+C



```
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <fcntl.h>

main(int argc, char *argv[]) {
    int fd, n, len;
    char buf[100];
    if (argc != 2)
    {
        printf("Usage: ./a.out <filename>\n");
        exit(-1);
    }
    fd = open(argv[1], O_WRONLY|O_CREAT|O_TRUNC, 0644);
    if (fd < 0)
    {
        printf("File creation problem\n");
        exit(-1);
    }

    printf("Tekan Ctrl+D di akhir baris:\n");
    while((n = read(0, buf, sizeof(buf))) > 0)
    {
        len = strlen(buf);
        write(fd, buf, len);
    }

    close(fd);
}
```

Activities Text Editor Rab 04:02

Open fread.c Save

fappend.c x fread.c x

```
#include <stdio.h>
#include <stdlib.h>
#include <fcntl.h>

main(int argc, char *argv[]) {
    int fd, i;
    char buf[100];
    if (argc < 2)
    {
        printf("Usage: ./a.out <filename>\n");
        exit(-1);
    }
    fd = open(argv[1], O_RDONLY);
    if (fd == -1)
    {
        printf("%s file dose not exists\n", argv[1]);
        exit(-1);
    }

    printf("Isi dari file %s adalah : \n", argv[1]);
    while(read(fd, buf, sizeof(buf)) > 0)
        printf("%s", buf);

    close(fd);
}
```

C Tab Width: 8 Ln 24, Col 2 INS

Activities Text Editor Rab 04:02

Open fappend.c Save

fappend.c x

```
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
#include <fcntl.h>

main(int argc, char *argv[]) {
    int fd, n, len;
    char buf[100];
    if (argc != 2)
    {
        printf("Usage: ./a.out <filename>\n"); exit(-1);
    }
    fd = open(argv[1], O_APPEND|O_WRONLY|O_CREAT, 0644);
    if (fd < 0)
    {
        perror(argv[1]);
        exit(-1);
    }

    while((n = read(0, buf, sizeof(buf))) > 0)
    {
        len = strlen(buf);
        write(fd, buf, len);
    }
    close(fd);
}
```

C Tab Width: 8 Ln 25, Col 2 INS

```
Activities Terminal ▾ Rab 04:00 • milliarta@milliarta-Lenovo-G40-80: ~/l200170026

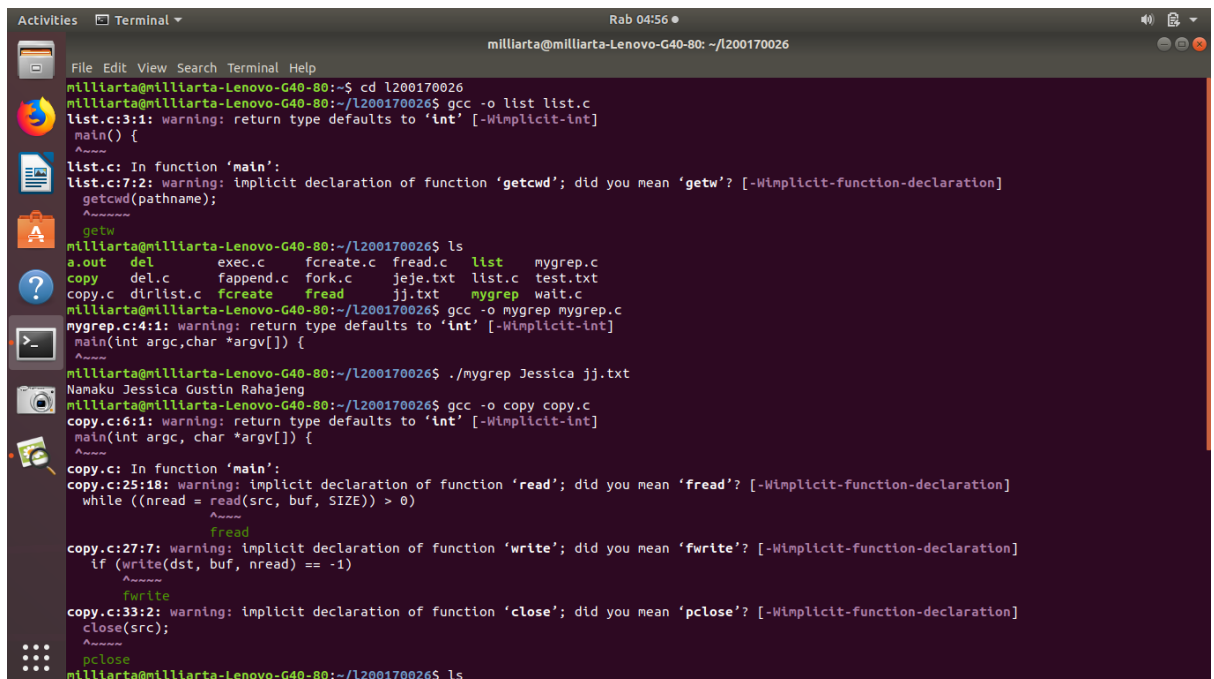
File Edit View Search Terminal Help
milliarta@milliarta-Lenovo-G40-80:~$ cd l200170026
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ gedit fcreate.c
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ gcc -o fcreate fcreate.c
fcreate.c:6:1: warning: return type defaults to 'int' [-Wimplicit-int]
main(int argc, char *argv[]) {
    fread
fcreate.c: In function 'main':
fcreate.c:23:13: warning: implicit declaration of function 'read'; did you mean 'fread'? [-Wimplicit-function-declaration]
while((n = read(0, buf, sizeof(buf))) > 0)
    fread
fcreate.c:26:3: warning: implicit declaration of function 'write'; did you mean 'fwrite'? [-Wimplicit-function-declaration]
write(fd, buf, len);
    fwrite
fcreate.c:29:2: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
close(fd);
    pclose
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ ./fcreate test.txt
Tekan Ctrl+D di akhir baris:
^C
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ gedit fread.c
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ gcc -o fread fread.c
fread.c:4:1: warning: return type defaults to 'int' [-Wimplicit-int]
main(int argc, char *argv[]) {
    fread
fread.c: In function 'main':
fread.c:20:8: warning: implicit declaration of function 'read'; did you mean 'fread'? [-Wimplicit-function-declaration]
while(read(fd, buf, sizeof(buf)) > 0)
    fread
fread.c:23:2: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
close(fd);
    pclose
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ ./fread test.txt
Isi dari file test.txt adalah :
```

```
Activities Terminal ▾ Rab 04:01 • milliarta@milliarta-Lenovo-G40-80: ~/l200170026

File Edit View Search Terminal Help
while((n = read(0, buf, sizeof(buf))) > 0)
    fread
fcreate.c:26:3: warning: implicit declaration of function 'write'; did you mean 'fwrite'? [-Wimplicit-function-declaration]
write(fd, buf, len);
    fwrite
fcreate.c:29:2: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
close(fd);
    pclose
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ ./fcreate test.txt
Tekan Ctrl+D di akhir baris:
^C
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ gedit fread.c
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ gcc -o fread fread.c
fread.c:4:1: warning: return type defaults to 'int' [-Wimplicit-int]
main(int argc, char *argv[]) {
    fread
fread.c: In function 'main':
fread.c:20:8: warning: implicit declaration of function 'read'; did you mean 'fread'? [-Wimplicit-function-declaration]
while(read(fd, buf, sizeof(buf)) > 0)
    fread
fread.c:23:2: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
close(fd);
    pclose
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ ./fread test.txt
Isi dari file test.txt adalah :
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ jessica
jessica: command not found
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ gedit fappend.c
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ ./fread test.txt
Isi dari file test.txt adalah :
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ jessica
jessica: command not found
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ ./fread test.txt
```

MODUL 10

1. Membuat file dengan nama jj.txt
2. Membuat file dengan nama jeje.txt
3. Ketik perintah “gedit list.c” untuk membuat file bernama wait
4. Lalu ketik perintah yang terdapat pada modul
5. Tekan ctrl+x untuk menyimpan file, lalu ketik “Y”, lalu enter (save)
6. Ketik “gcc -o list list.c” untuk mengecek apakah codingan sudah benar atau belum
7. Ketik “ls” untuk membuka direktori
8. Ketik “gcc -o mygrep mygrep.c” (sebelumnya sudah membuat file mygrep yg berisi perintah pada modul)
9. Ketik “./mygrep Jessica jj.txt” untuk menampilkan isi file dari jj.txt
10. Ketik “gcc -o copy copy.c”
11. Ketik “ls” untuk membuka direktori apakah file copy sudah ada atau belum
12. Ketik “gcc -o del del.c”
13. Ketik “./del jeje.txt” untuk menghapus file jeje.txt
14. Ketik “ls” untuk melihat isi direktori, memastikan bahwa file jeje.txt sudah terhapus



```
milliarta@milliarta-Lenovo-G40-80: ~/l200170026
milliarta@milliarta-Lenovo-G40-80:~$ cd l200170026
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ gcc -o list list.c
list.c:3:1: warning: return type defaults to 'int' [-Wimplicit-int]
main() {
^
list.c: In function 'main':
list.c:7:2: warning: implicit declaration of function 'getcwd'; did you mean 'getw'? [-Wimplicit-function-declaration]
getcwd(pathname);
^
getw
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ ls
a.out  del      exec.c   fcreate.c  fread.c  list    mygrep.c
copy   del.c    fappend.c fork.c     jeje.txt list.c  test.txt
copy.c  dirlist.c fcreate  fread      jj.txt   mygrep  wait.c
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ gcc -o mygrep mygrep.c
mygrep.c:4:1: warning: return type defaults to 'int' [-Wimplicit-int]
main(int argc, char *argv[]) {
^
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ ./mygrep Jessica jj.txt
Namaku Jessica Gustin Rahajeng
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ gcc -o copy copy.c
copy.c:6:1: warning: return type defaults to 'int' [-Wimplicit-int]
main(int argc, char *argv[]) {
^
copy.c: In function 'main':
copy.c:25:18: warning: implicit declaration of function 'read'; did you mean 'fread'? [-Wimplicit-function-declaration]
while ((nread = read(src, buf, SIZE)) > 0)
                 ^
               fread
copy.c:27:7: warning: implicit declaration of function 'write'; did you mean 'fwrite'? [-Wimplicit-function-declaration]
if (write(dst, buf, nread) == -1)
    ^
    fwrite
copy.c:33:2: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
close(src);
^
pclose
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ ls
```



```
Activities Terminal ▾ Rab 04:56 ● milliarta@milliarta-Lenovo-G40-80: ~/l200170026

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copy.c: In function 'main':
copy.c:25:18: warning: implicit declaration of function 'read'; did you mean 'fread'? [-Wimplicit-function-declaration]
while ((nread = read(src, buf, SIZE)) > 0)
               ^~~~~
               fread
copy.c:27:7: warning: implicit declaration of function 'write'; did you mean 'fwrite'? [-Wimplicit-function-declaration]
if (write(dst, buf, nread) == -1)
    ^~~~~
    fwrite
copy.c:33:12: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
close(src);
           ^~~~~
           pclose
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ ls
a.out del      exec.c  fcreate.c  fread.c  list      mygrep.c
copy  del.c    fappend.c fork.c  jeje.txt list.c   test.txt
copy.c dirlist.c fcreate  fread    jj.txt  mygrep  wait.c
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ ./copy jj.txt jeje.txt
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ ls
a.out del      exec.c  fcreate.c  fread.c  list      mygrep.c
copy  del.c    fappend.c fork.c  jeje.txt list.c   test.txt
copy.c dirlist.c fcreate  fread    jj.txt  mygrep  wait.c
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ gcc -o del del.c
del.c: In function 'main':
del.c:15:3: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
close(fd);
    ^~~~~
    pclose
del.c:16:3: warning: implicit declaration of function 'unlink'; did you mean 'unix'? [-Wimplicit-function-declaration]
unlink(argv[1]);
    ^~~~~
    unix
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ ./del jeje.txt
milliarta@milliarta-Lenovo-G40-80:~/l200170026$ ls
a.out del      exec.c  fcreate.c  fread.c  list.c   test.txt
copy  del.c    fappend.c fork.c  jj.txt  mygrep  wait.c
copy.c dirlist.c fcreate  fread    list    mygrep.c
milliarta@milliarta-Lenovo-G40-80:~/l200170026$
```