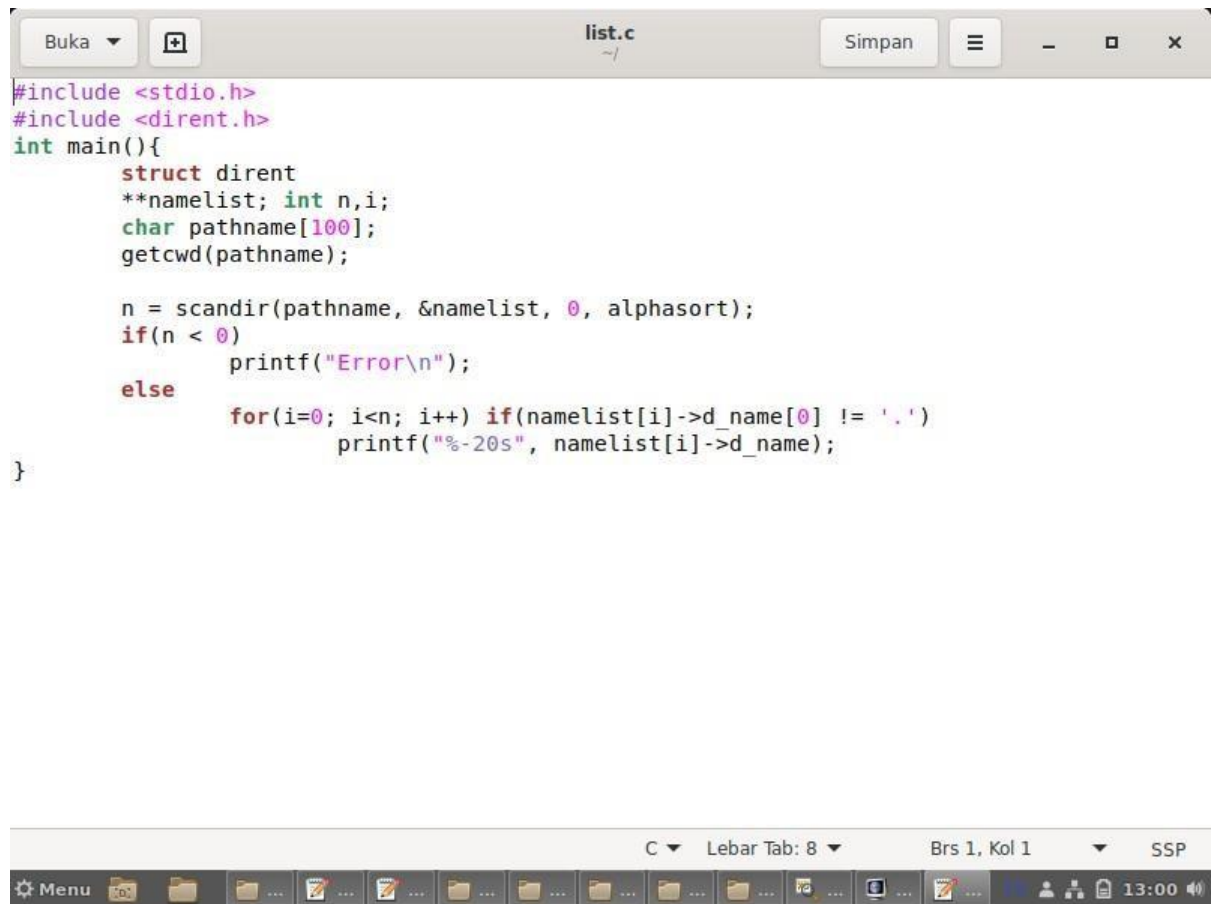


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Modul 10

1. File list.c



The screenshot shows a code editor window titled 'list.c' with a toolbar containing 'Buka', '+', 'Simpan', and window control buttons. The code is as follows:

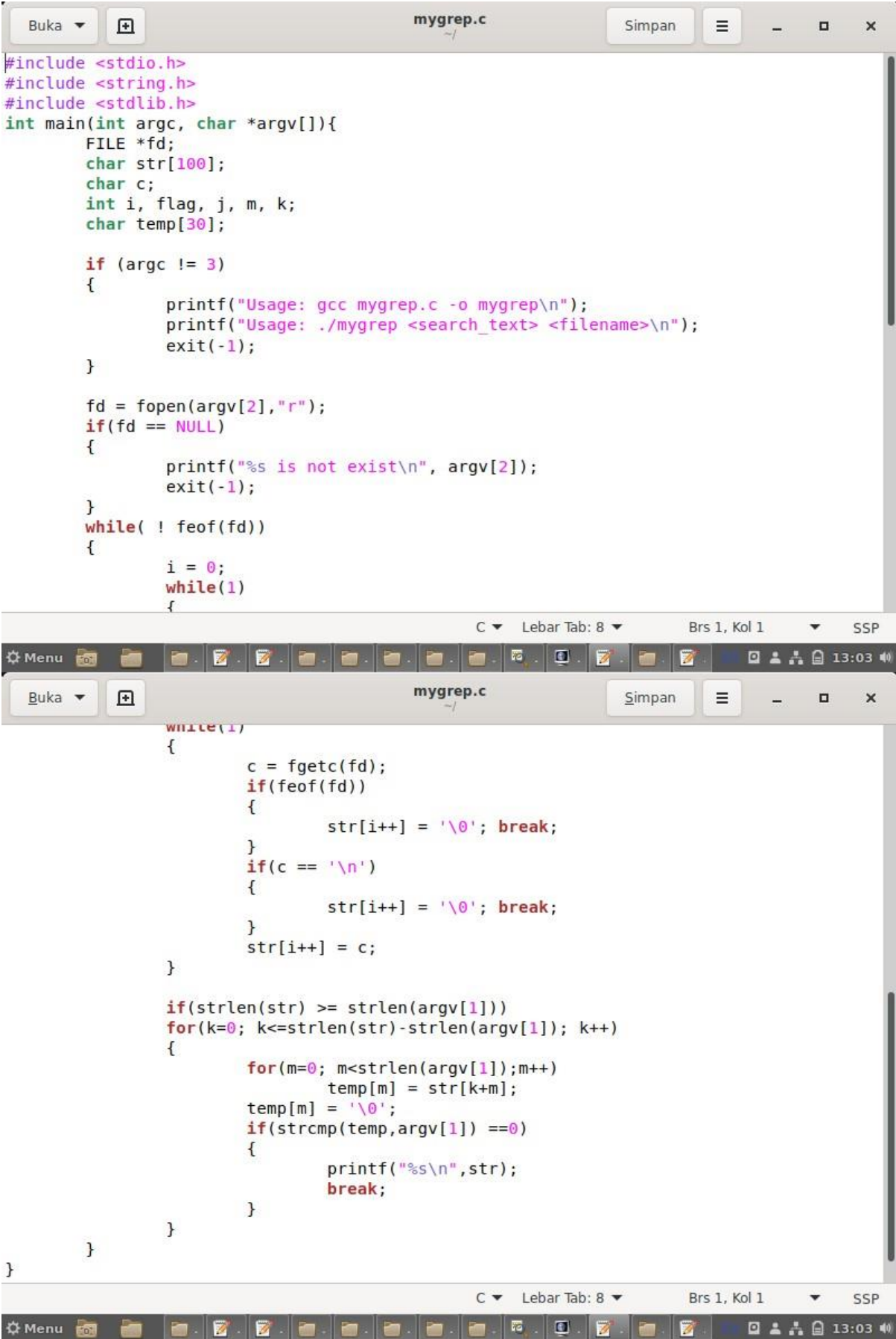
```
#include <stdio.h>
#include <dirent.h>
int main(){
    struct dirent
    **namelist; int n,i;
    char pathname[100];
    getcwd(pathname);

    n = scandir(pathname, &namelist, 0, alphasort);
    if(n < 0)
        printf("Error\n");
    else
        for(i=0; i<n; i++) if(namelist[i]->d_name[0] != '.')
            printf("%-20s", namelist[i]->d_name);
}
```

Below the code editor is a taskbar with a menu button, several folder icons, and a clock showing 13:00. The text 'mygrep.c' is written below the taskbar.

mygrep.c

2. File



```
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
int main(int argc, char *argv[]){
    FILE *fd;
    char str[100];
    char c;
    int i, flag, j, m, k;
    char temp[30];

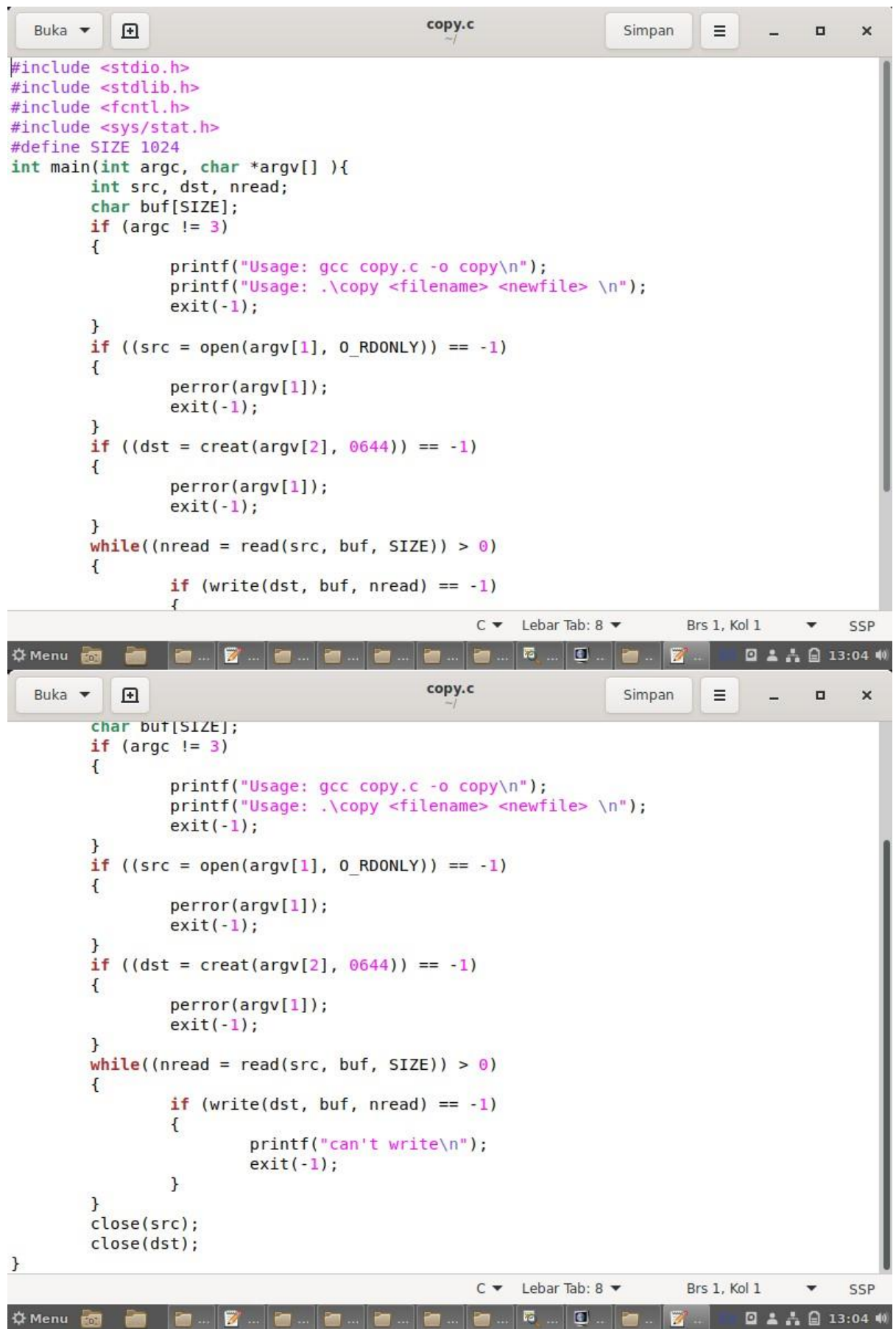
    if (argc != 3)
    {
        printf("Usage: gcc mygrep.c -o mygrep\n");
        printf("Usage: ./mygrep <search_text> <filename>\n");
        exit(-1);
    }

    fd = fopen(argv[2], "r");
    if(fd == NULL)
    {
        printf("%s is not exist\n", argv[2]);
        exit(-1);
    }
    while( ! feof(fd))
    {
        i = 0;
        while(1)
        {
            c = fgetc(fd);
            if(feof(fd))
            {
                str[i++] = '\0'; break;
            }
            if(c == '\n')
            {
                str[i++] = '\0'; break;
            }
            str[i++] = c;
        }

        if(strlen(str) >= strlen(argv[1]))
        for(k=0; k<=strlen(str)-strlen(argv[1]); k++)
        {
            for(m=0; m<strlen(argv[1]);m++)
                temp[m] = str[k+m];
            temp[m] = '\0';
            if(strcmp(temp,argv[1]) ==0)
            {
                printf("%s\n",str);
                break;
            }
        }
    }
}
```

copy.c

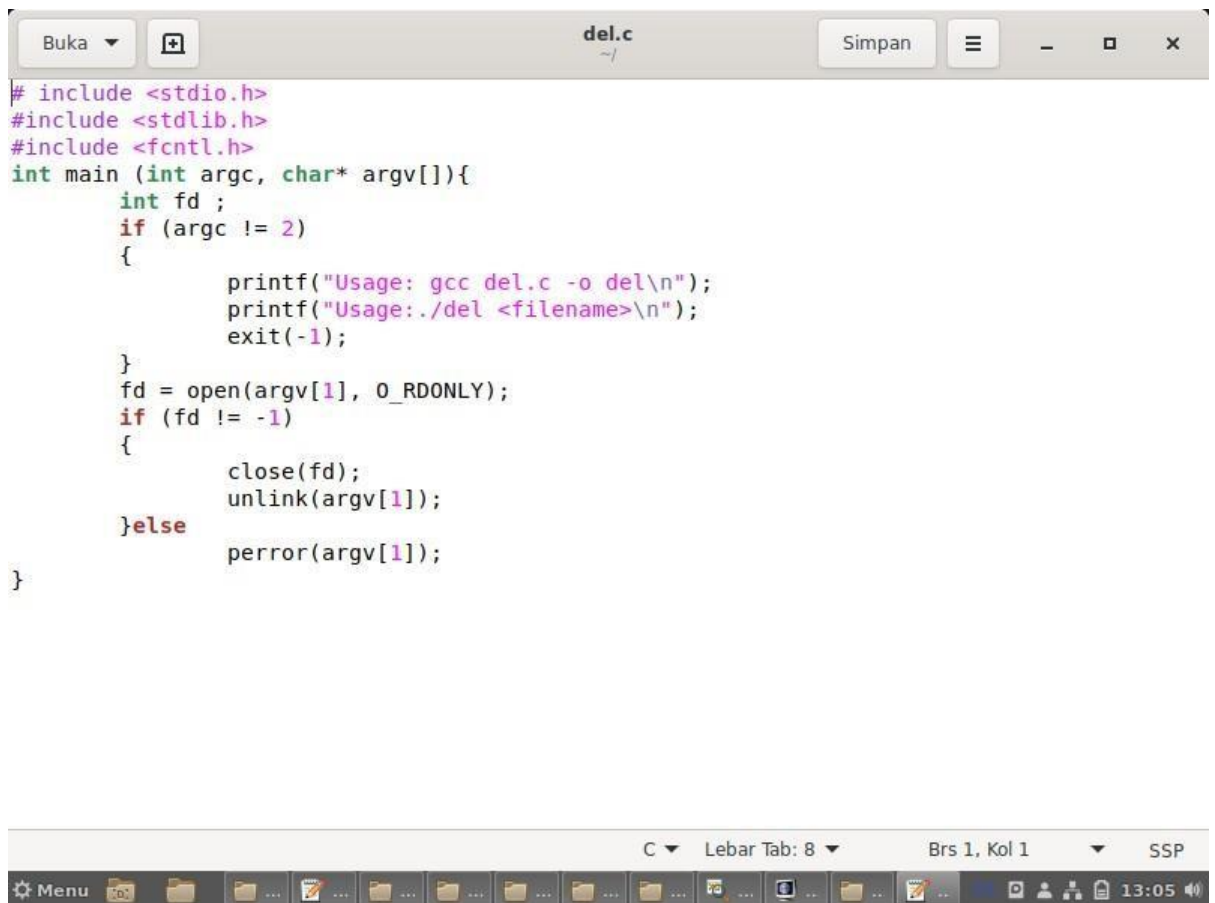
3. File



```
#include <stdio.h>
#include <stdlib.h>
#include <fcntl.h>
#include <sys/stat.h>
#define SIZE 1024
int main(int argc, char *argv[] ){
    int src, dst, nread;
    char buf[SIZE];
    if (argc != 3)
    {
        printf("Usage: gcc copy.c -o copy\n");
        printf("Usage: ./copy <filename> <newfile> \n");
        exit(-1);
    }
    if ((src = open(argv[1], O_RDONLY)) == -1)
    {
        perror(argv[1]);
        exit(-1);
    }
    if ((dst = creat(argv[2], 0644)) == -1)
    {
        perror(argv[1]);
        exit(-1);
    }
    while((nread = read(src, buf, SIZE)) > 0)
    {
        if (write(dst, buf, nread) == -1)
        {
            printf("can't write\n");
            exit(-1);
        }
    }
    close(src);
    close(dst);
}
```

del.c

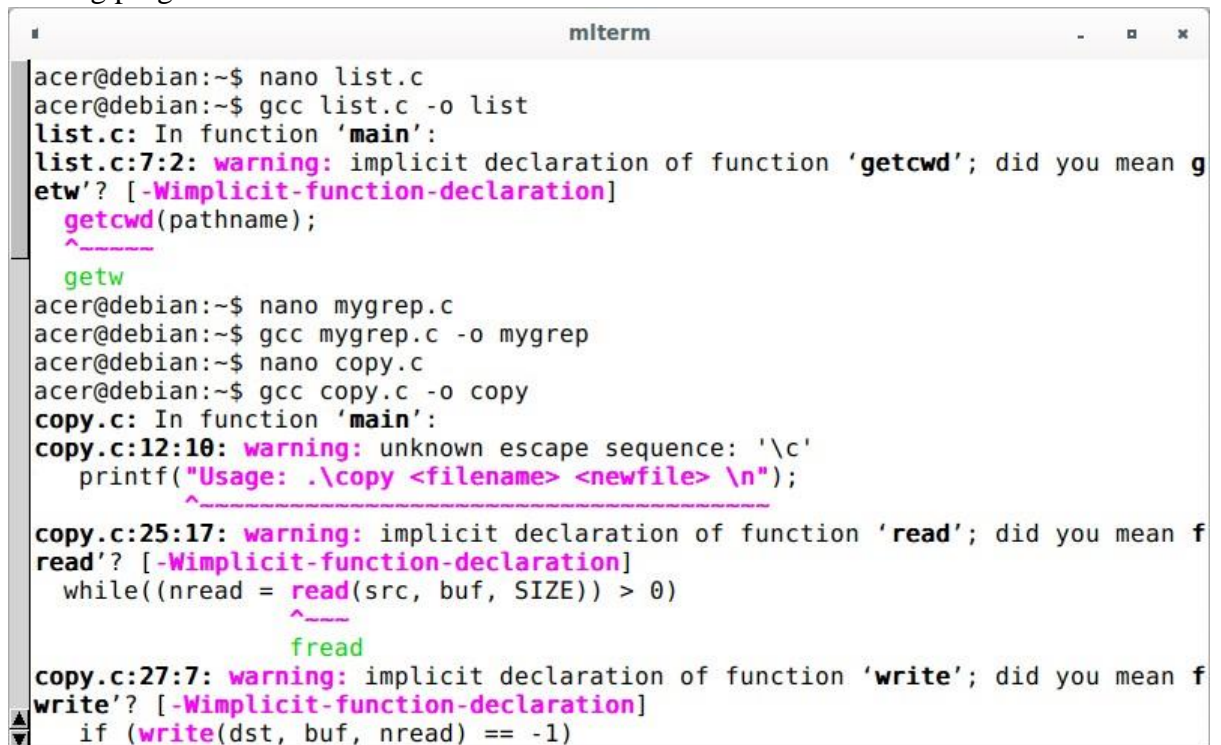
4. File



The screenshot shows a code editor window titled 'del.c' with a menu bar containing 'Buka', a plus icon, 'Simpan', and window control buttons. The code is as follows:

```
#include <stdio.h>
#include <stdlib.h>
#include <fcntl.h>
int main (int argc, char* argv[]){
    int fd ;
    if (argc != 2)
    {
        printf("Usage: gcc del.c -o del\n");
        printf("Usage: ./del <filename>\n");
        exit(-1);
    }
    fd = open(argv[1], O_RDONLY);
    if (fd != -1)
    {
        close(fd);
        unlink(argv[1]);
    }else
        perror(argv[1]);
}
```

5. Running program



The screenshot shows a terminal window titled 'mlterm' with the following output:

```
acer@debian:~$ nano list.c
acer@debian:~$ gcc list.c -o list
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
acer@debian:~$ nano mygrep.c
acer@debian:~$ gcc mygrep.c -o mygrep
acer@debian:~$ nano copy.c
acer@debian:~$ gcc copy.c -o copy
copy.c: In function 'main':
copy.c:12:10: warning: unknown escape sequence: '\c'
    printf("Usage: ./copy <filename> <newfile> \n");
    ^
copy.c:25:17: 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)
```

```
mterm
ah11 e ((n read = read(src, buf, SIZE)) > 0)

        bread
copy.c:27:7: warning: implicit declaration of function 'write'; did you
mean f
write'? [-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 acer@debian:~$
nano del.c
ace r0deb1an: ~$ gcc del.c -o del
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 u
nix'? [-Wimplicit-function-declaration]
    unlink(argv[1]);
```

```
mterm

close(fd) ;

        declaration of function '
        unlink' ; ation]
        1
        pclose
del.c:16:3: warning:
implicit nix'? [-Wimplicit-f
unction-declaration] unlink(argv[1])
;

        fread
        list mygrep.c
        Templat
        t1f111
ace rgdebian: ~$ ./list E
ror ace rideb1an: ~$
$1 s
a.out del.c        fappend
copy Destop        fappend.c fread.c        list.c nano.save Unduhan
copy.c dirlist.c fcreate        Gambar        musik Publik        Video
```

```

del          Dokumen fcreate.c 1200180122.txt mygrep stat.c

acer@debian:~$ ./list Error acer@debian:~$
$ ./mygrep anisa 1200180135.txt
1200180135.txt is not exist acer@debian:~$
nano 1200180135.txt acer@debian:~$ ./mygrep
anisa 1200180135.txt nama = anisa
acer@debian:~$ ./copy 1200180135.txt
anisa.txt acer@debian:~$ is

```

x mltterm • x

```

copy.c dirlist.c fcreate Gambar Musik Publik Video del Dokumen
fcreate.c 1200180122.txt mygrep stat.c
acergdebian:~$ ./list Error acergdebian:~$
./mygrep anisa 1200180135.txt
1200180135.txt is not exist acergdebian:~$
$ nano 1200180135.txt
acergdebian:~$ ./mygrep anisa
1200180135.txt
nama = anisa
acergdebian:~$ ./copy T 200180135.txt anisa.txt
acergdebian:~$ T s
anisa.txt del.c f append.c Gaziba r Hus1k stat.c a.out Destop T 200180122.
txt myg rep Tezipla t
copy          dirlist.c fcreate.c 1200180135.txt mygrep.c
Unduhan copy.c Dokumen f read test nano.save V1deo f read
.c T1st.c Pub11k
acergdebian:~$ ./deT anisa.txt
acergdebian:~$ T s
a.out Destop le reate T 200180122.txt myg rep Tezipla t
copy dirlist.c fcreate.c 1200180135.txt mygrep.c Unduhan
copy.c Dokumen f read test nano.save V1deo del f
append f read.c T1st.c Pub11k del.c l append.c Gaziba r
Hus1k stat.c
acergdebian:~$

```