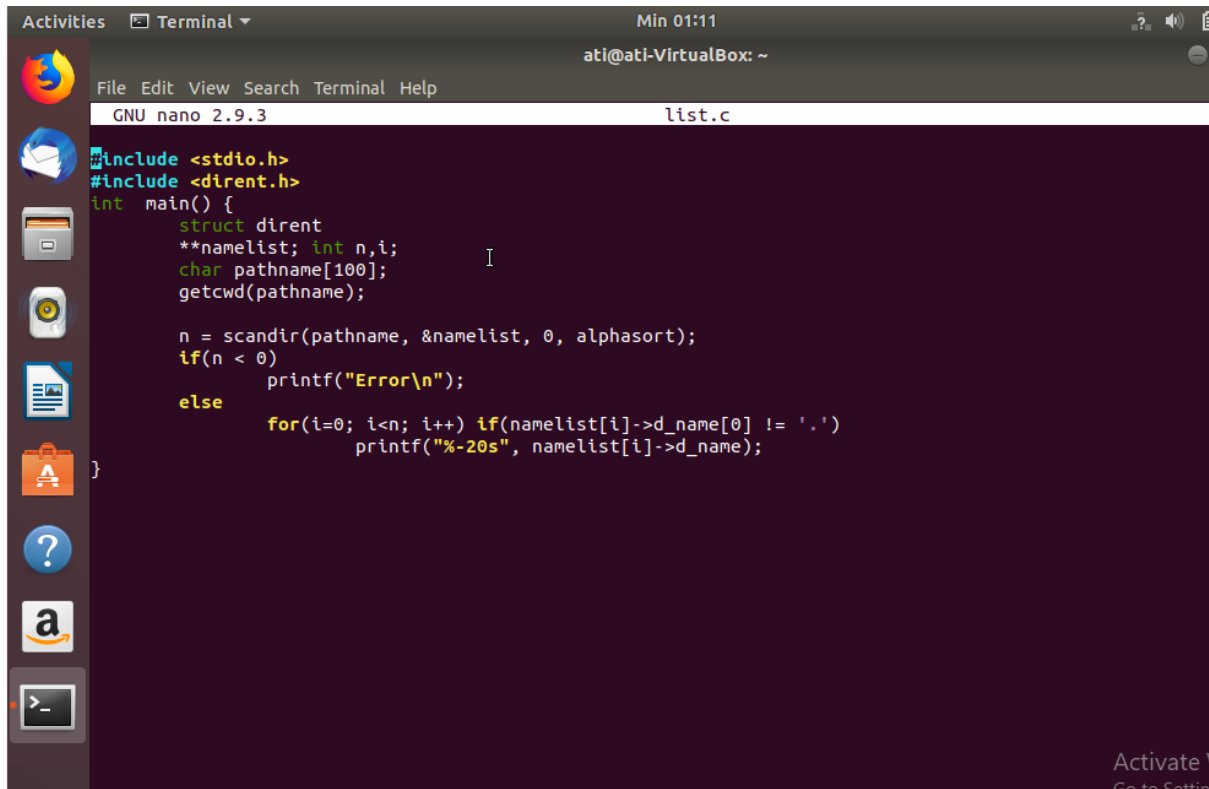


NAMA : SRI HAJIATI

NIM : L200170103

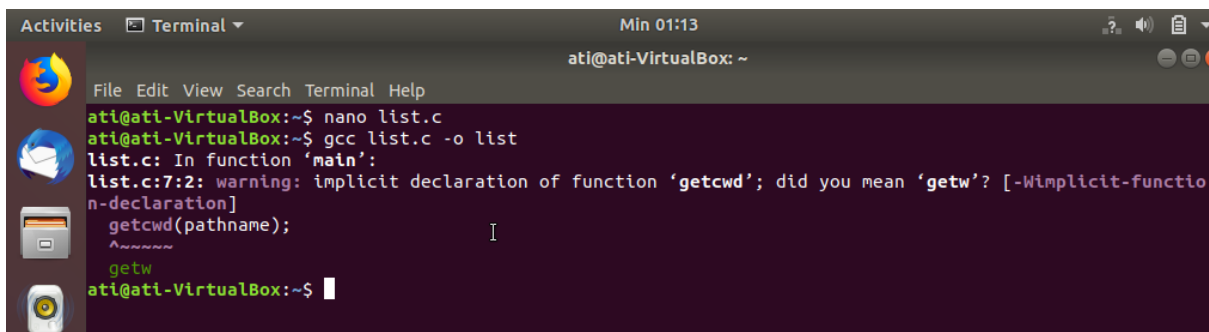
KELAS : E

## 1.Code Program list.c

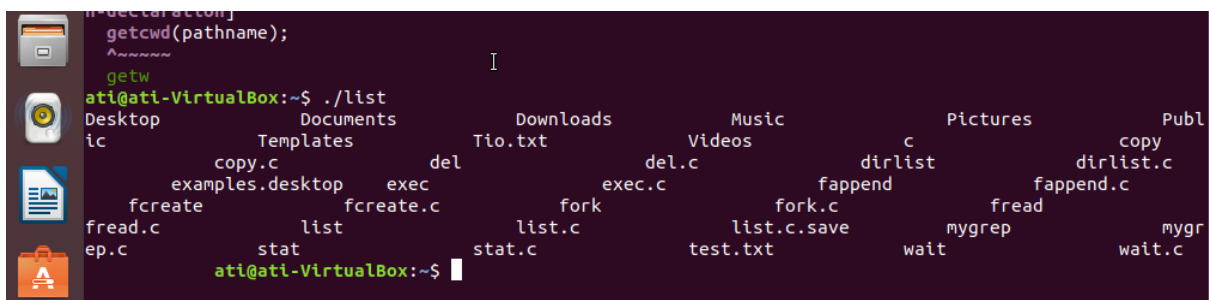


```
atI@ati-VirtualBox: ~  
File Edit View Search Terminal Help  
GNU nano 2.9.3 list.c  
#include <stdio.h>  
#include <dirent.h>  
int main() {  
    struct dirent  
    **namelist; int n,i;  
    char pathname[100];  
    getcwd(pathname);  
  
    n = scandir(pathname, &namelist, 0, alphasort);  
    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);  
}
```

Gcc list.c -o list untuk Mengecek kesalahan pada code list.c



```
atI@ati-VirtualBox: ~  
File Edit View Search Terminal Help  
atI@ati-VirtualBox:~$ nano list.c  
atI@ati-VirtualBox:~$ 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-functio  
n-declaration]  
    getcwd(pathname);  
    ^~~~~~  
    getw  
atI@ati-VirtualBox:~$
```



```
atI@ati-VirtualBox:~$ ./list  
Desktop          Downloads      Music          Pictures        Publ  
ic               Templates    Tio.txt        Videos         c               copy  
                copy.c       del            del.c          dirlist        dirlist.c  
examples.desktop exec         exec.c        fappend        fappend.c  
fcreate          fcreate.c   fork          fork.c         fread          fread.c  
list             list.c      list.c.save   mygrep         mygr  
ep.c             stat        stat.c        test.txt       wait           wait.c  
atI@ati-VirtualBox:~$
```

## 2.Code Program mygrep.c



```
#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];

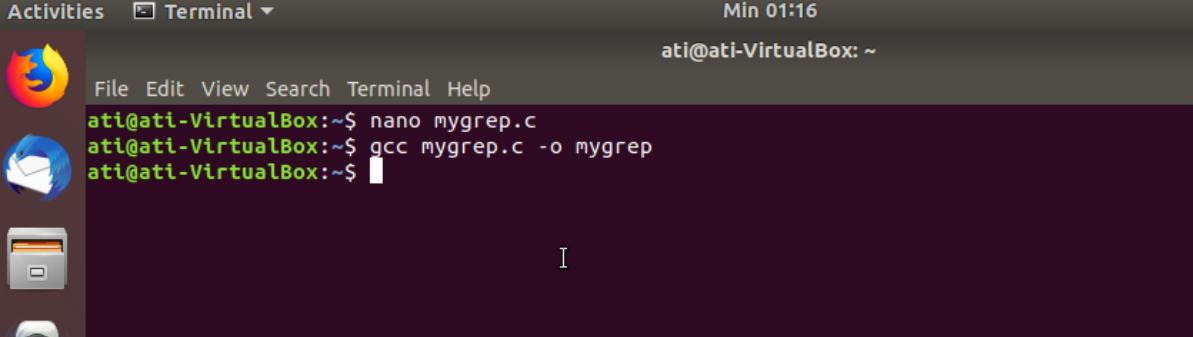
    if (argc != 3)
    {
        printf("Usage: gcc mygrep.c -o mygrep\n");
        printf("Usage: .mygrep <search_text> <filename>\n");
        exit(-1);
    }

    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;
            }
        }
    }
}
```

[ Read 55 lines ]

Gcc mygrep.c -o list untuk Mengecek kesalahan pada code mygrep



```
Activities  Terminal  Min 01:16
ati@ati-VirtualBox: ~
File Edit View Search Terminal Help
ati@ati-VirtualBox:~$ nano mygrep.c
ati@ati-VirtualBox:~$ gcc mygrep.c -o mygrep
ati@ati-VirtualBox:~$
```

### 3.Code Program Copy

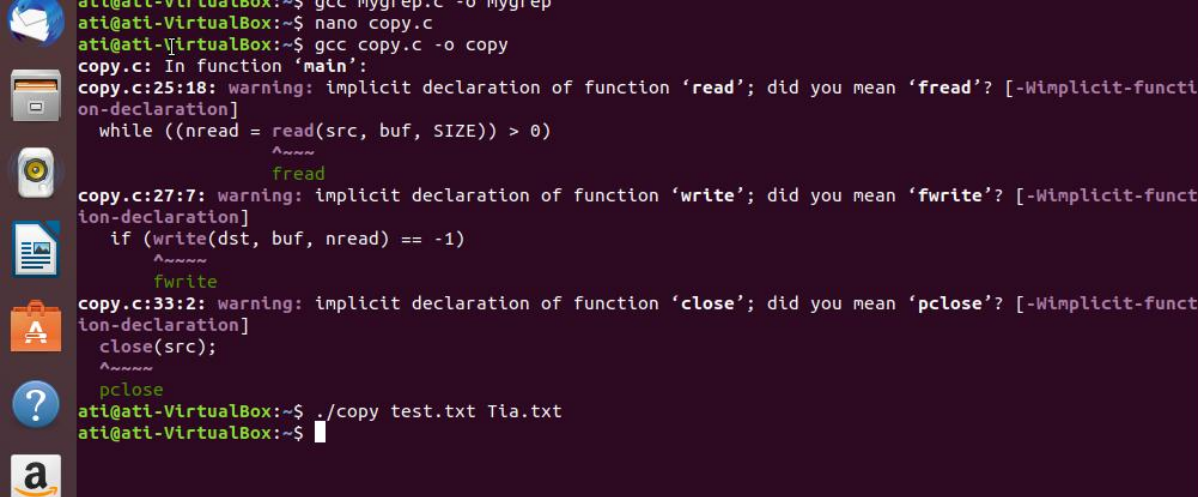
Untuk menyalin file yang kita inginkan



```
GNU nano 2.9.3 copy.c
#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 -o copy\n");
        printf("Usage: ./copy <filename> <namefile> \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);
}
```

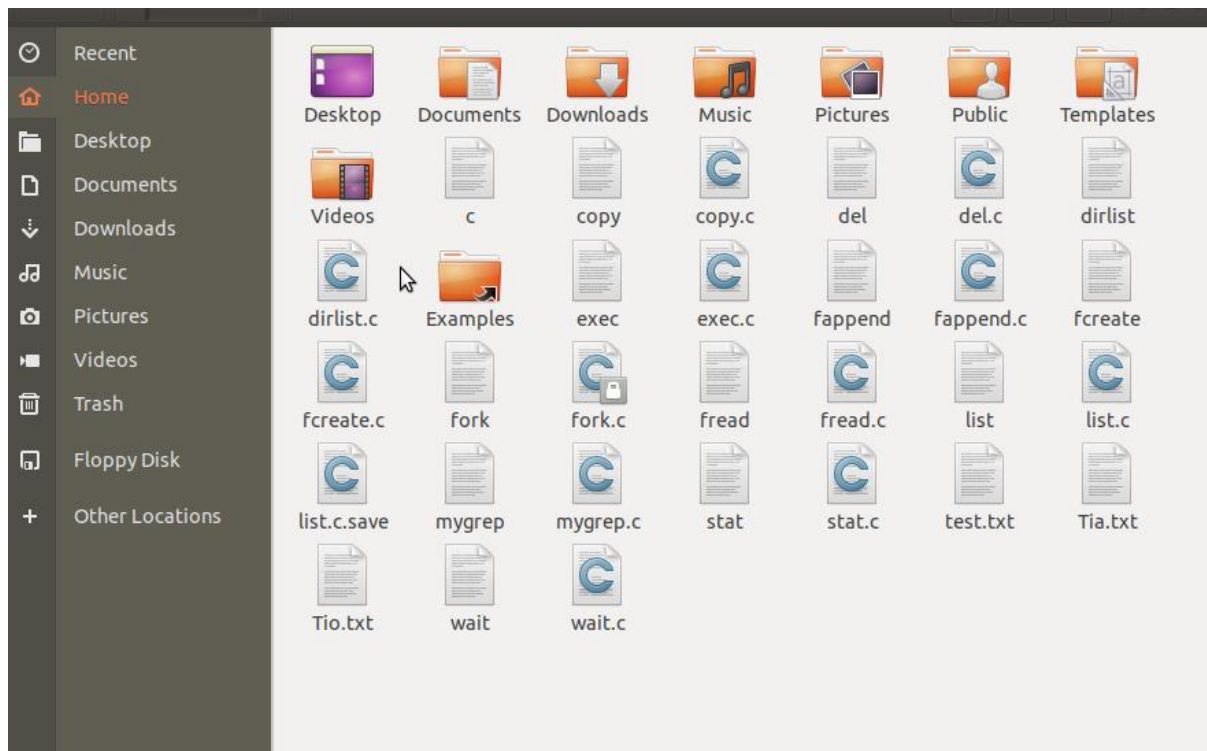
Read 35 lines

Disini saya ingin meng copy file Tia pada file Tia.txt



```
ati@ati-VirtualBox:~$ gcc mygrep.c -o mygrep
ati@ati-VirtualBox:~$ nano copy.c
ati@ati-VirtualBox:~$ gcc copy.c -o copy
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
ati@ati-VirtualBox:~$ ./copy test.txt Tia.txt
ati@ati-VirtualBox:~$
```

Maka file Tia akan tersalin pada File documenten



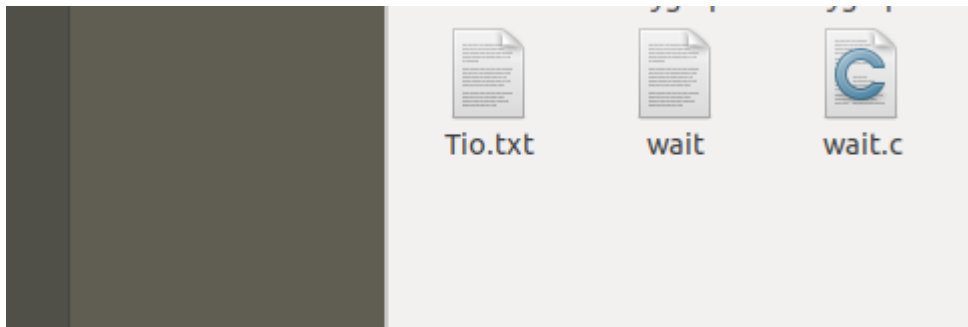
#### 4.Code Del.c

Berfungsi untuk menghapus file yang kita inginkan

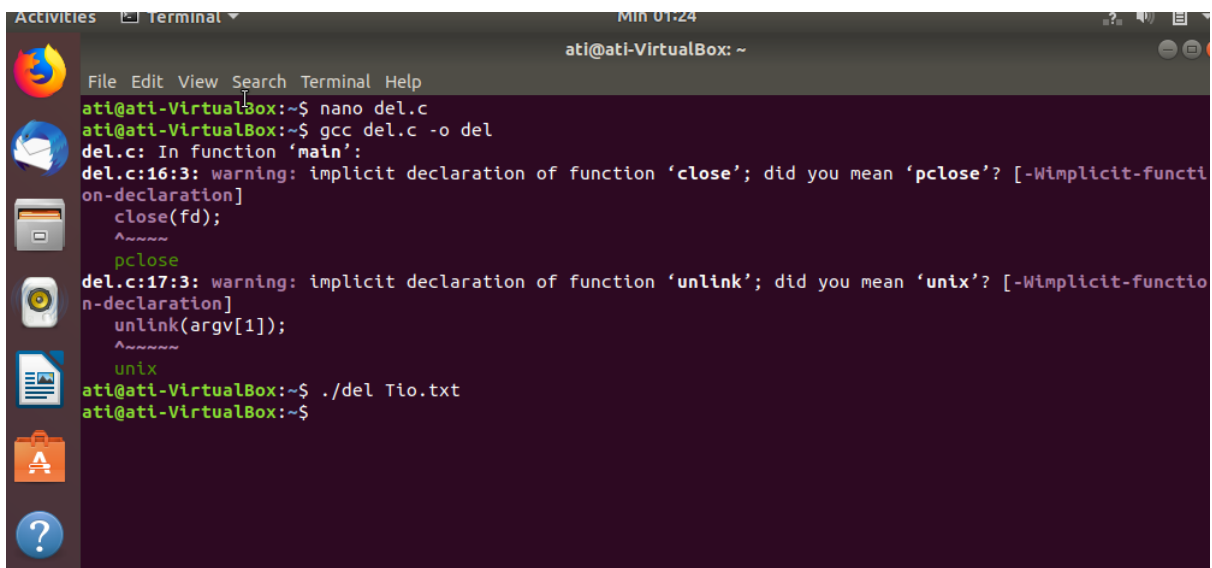
```
GNU nano 2.9.3 del.c

#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]);
}
```

Disini saya ingin Menghapus File Tio.txt yang sudah saya buat sebelumnya.



Caranya adalah:

A screenshot of a terminal window titled 'ati@ati-VirtualBox: ~'. The terminal shows the following commands and output:

```
ati@ati-VirtualBox:~$ nano del.c
ati@ati-VirtualBox:~$ gcc del.c -o del
del.c: In function 'main':
del.c:16:3: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
      close(fd);
      ^~~~~~
      pclose
del.c:17:3: warning: implicit declaration of function 'unlink'; did you mean 'unix'? [-Wimplicit-function-declaration]
      unlink(argv[1]);
      ^~~~~~
      unix
ati@ati-VirtualBox:~$ ./del Tio.txt
ati@ati-VirtualBox:~$
```

File Tio akan Terhapus setelah melaksanakan perintah diatas

