

PRAKTIKUM SISTEM OPERASI
MODUL 10
“SIMULASI COMAND (Perintah) ”



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2021

List.c

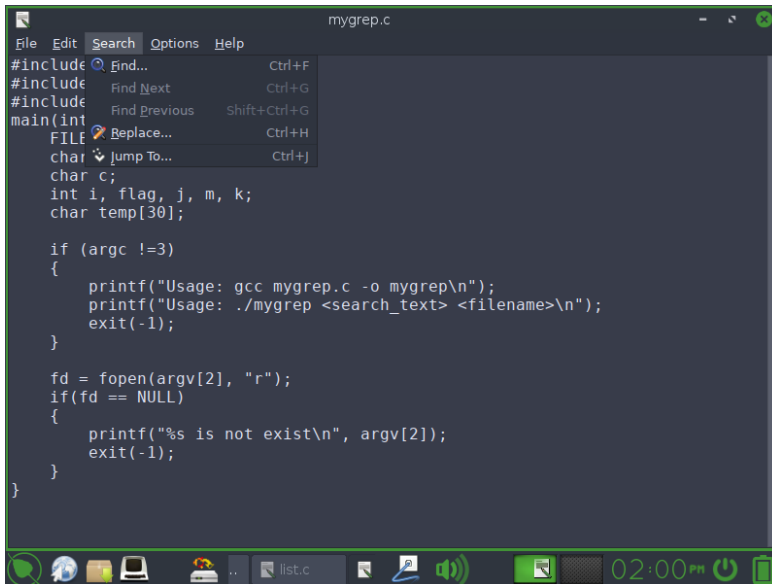
```
list.c
File Edit Search Options Help
#include <stdio.h>
#include <dirent.h>

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);
}
```

```
root@bodhi-VirtualBox: /home/bodhi/Documents
root@bodhi-VirtualBox:/home/bodhi/Documents# gcc list.c -o list
list.c:4:1: warning: return type defaults to 'int' [-Wimplicit-int]
main() {
^
list.c: In function 'main':
list.c:8:6: warning: implicit declaration of function 'getcwd'; did you mean 'getw'? [-Wimplicit-function-declaration]
getcwd(pathname);
^
getw
root@bodhi-VirtualBox:/home/bodhi/Documents# ./list
L200200247      a.out          copy.c          del.c
dirlist.c       exec.c          fappend         fappend.c
fcreate         fcreate.c      fork.c          fread
fread.c        list           list.c          mygrep.c
stat.c         test.txt       wait.c          root@bodhi-VirtualBo
x:/home/bodhi/Documents#
```

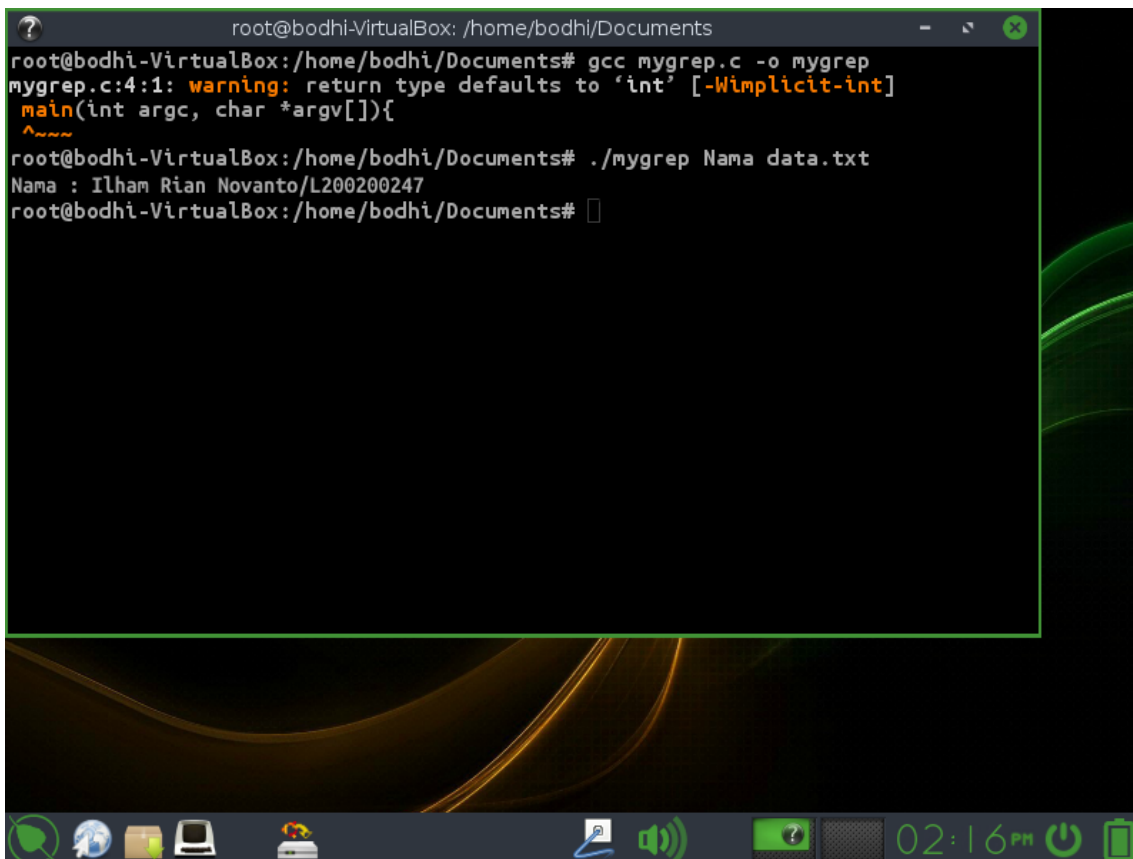
Mygrep.c



```
mygrep.c
File Edit Search Options Help
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
main(int argc, char *argv[])
{
    FILE *fp;
    char c;
    int i, flag, j, m, k;
    char temp[30];

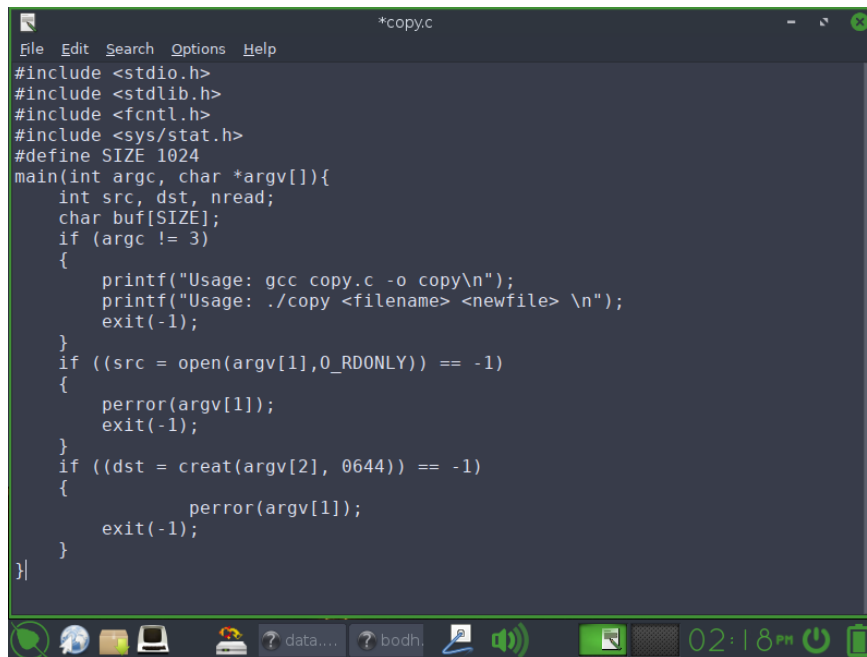
    if (argc != 3)
    {
        printf("Usage: gcc mygrep.c -o mygrep\n");
        printf("Usage: ./mygrep <search_text> <filename>\n");
        exit(-1);
    }

    fd = fopen(argv[2], "r");
    if(fd == NULL)
    {
        printf("%s is not exist\n", argv[2]);
        exit(-1);
    }
}
```

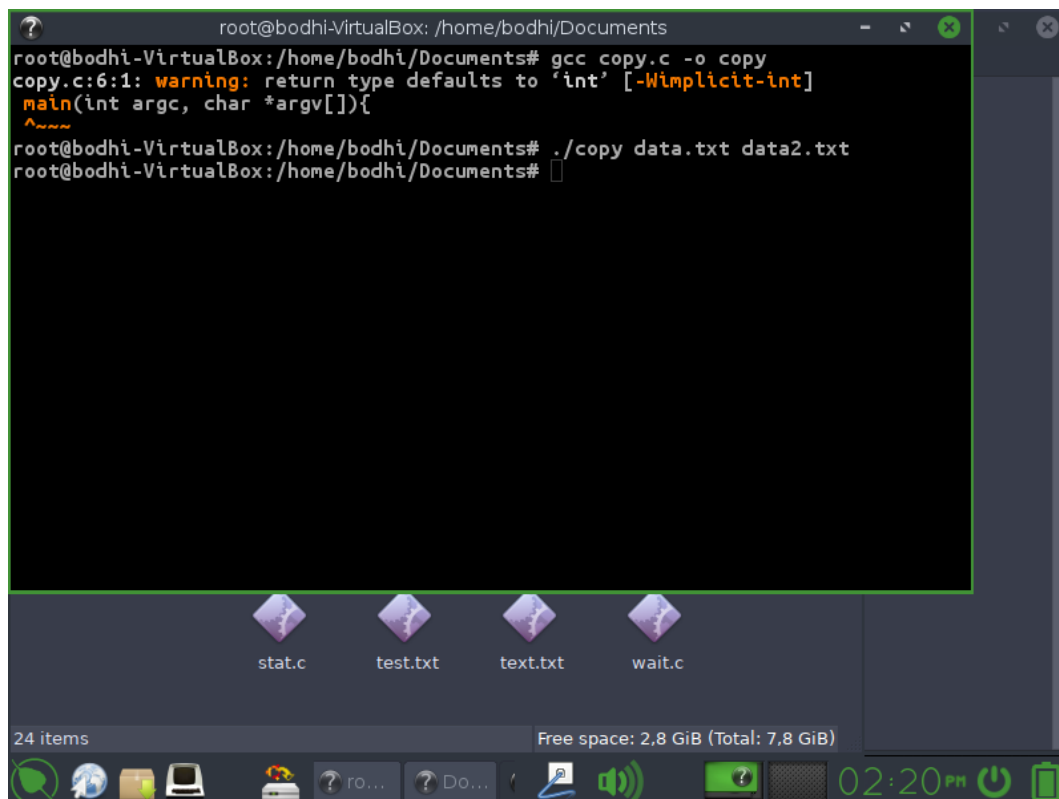


```
root@bodhi-VirtualBox: /home/bodhi/Documents
root@bodhi-VirtualBox:/home/bodhi/Documents# gcc mygrep.c -o mygrep
mygrep.c:4:1: warning: return type defaults to 'int' [-Wimplicit-int]
main(int argc, char *argv[]){
^
root@bodhi-VirtualBox:/home/bodhi/Documents# ./mygrep Nama data.txt
Nama : Ilham Rian Novanto/L200200247
root@bodhi-VirtualBox:/home/bodhi/Documents#
```

Copy.c(mengcopy file)



```
*copy.c
File Edit Search Options Help
#include <stdio.h>
#include <stdlib.h>
#include <fcntl.h>
#include <sys/stat.h>
#define SIZE 1024
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);
    }
}
```

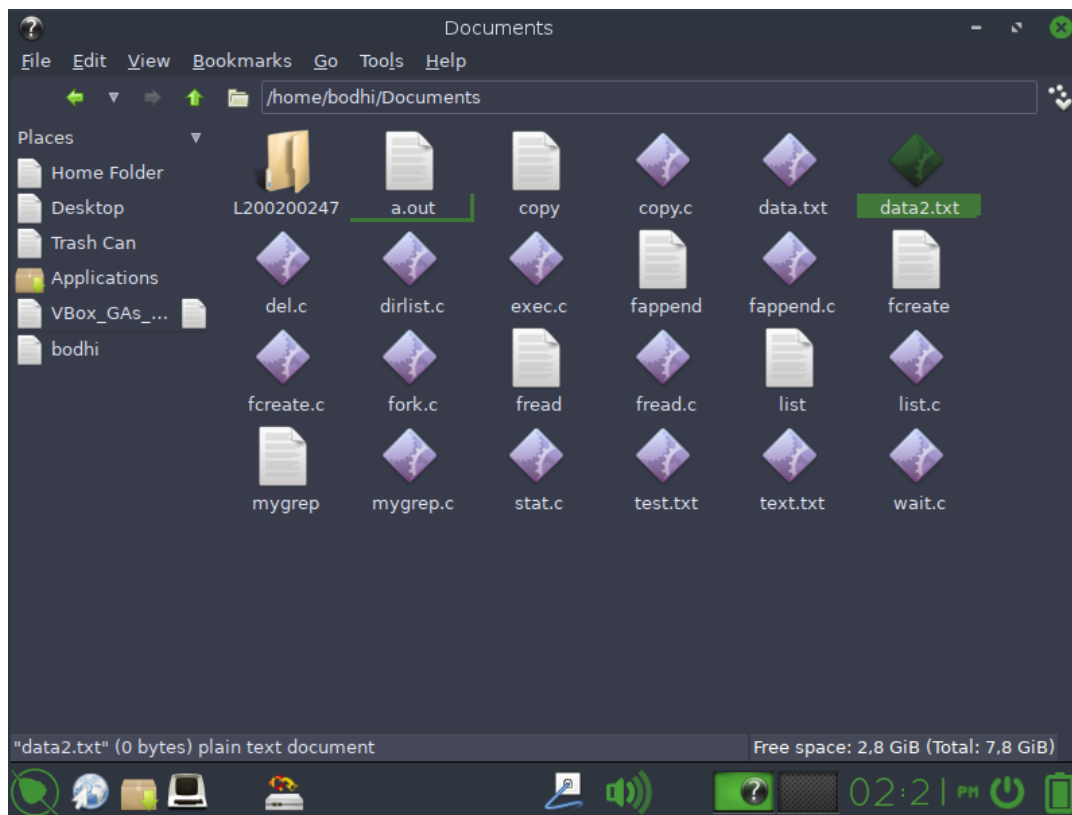


```
root@bodhi-VirtualBox: /home/bodhi/Documents
root@bodhi-VirtualBox:/home/bodhi/Documents# gcc copy.c -o copy
copy.c:6:1: warning: return type defaults to 'int' [-Wimplicit-int]
main(int argc, char *argv[]){
^~~~~
root@bodhi-VirtualBox:/home/bodhi/Documents# ./copy data.txt data2.txt
root@bodhi-VirtualBox:/home/bodhi/Documents#
```

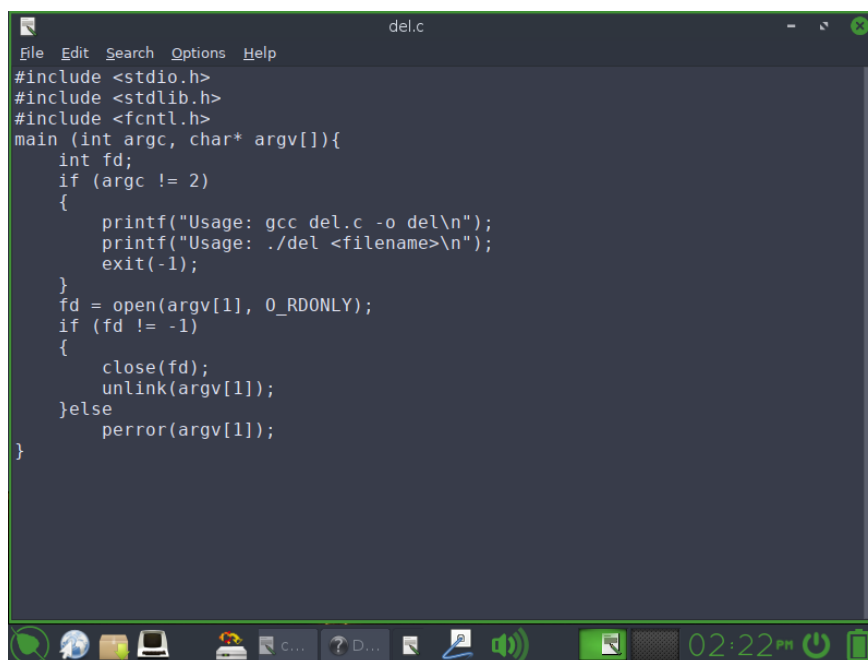
stat.c test.txt text.txt wait.c

24 items Free space: 2,8 GiB (Total: 7,8 GiB)

Hasilnya muncul file data2.txt



Del.c(menghapus file)



```
root@bodhi-VirtualBox: /home/bodhi/Documents
root@bodhi-VirtualBox:/home/bodhi/Documents# gcc del.c -o del
del.c:4:1: warning: return type defaults to 'int' [-Wimplicit-int]
main (int argc, char* argv){
^~~~~
del.c: In function 'main':
del.c:15:9: warning: implicit declaration of function 'close'; did you mean 'pclose'? [-Wimplicit-function-declaration]
    close(fd);
    ^~~~~
    pclose
del.c:16:9: warning: implicit declaration of function 'unlink'; did you mean 'unix'? [-Wimplicit-function-declaration]
    unlink(argv[1]);
    ^~~~~
    unix
root@bodhi-VirtualBox:/home/bodhi/Documents# ./del data1.txt
data1.txt: No such file or directory
root@bodhi-VirtualBox:/home/bodhi/Documents# ./del data2.txt
root@bodhi-VirtualBox:/home/bodhi/Documents#
```

Hasilnya file data2.txt terhapus

