

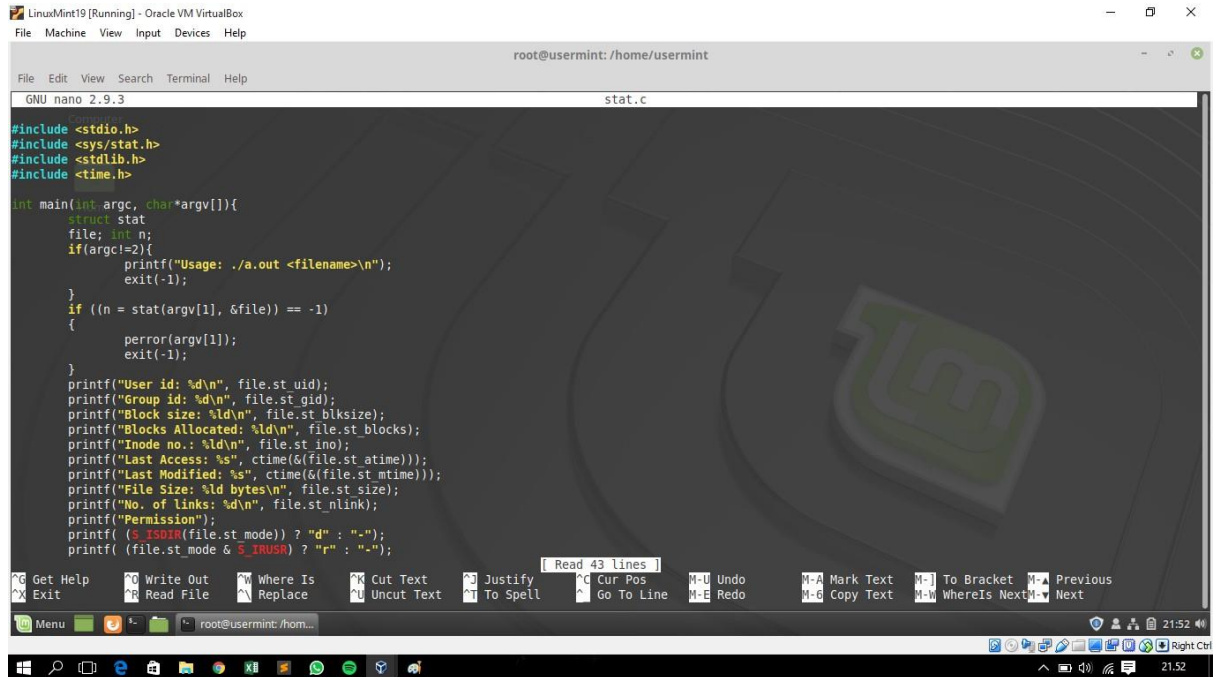
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NIM : L200180105

Kelas : C

MODUL 8

Stat.c



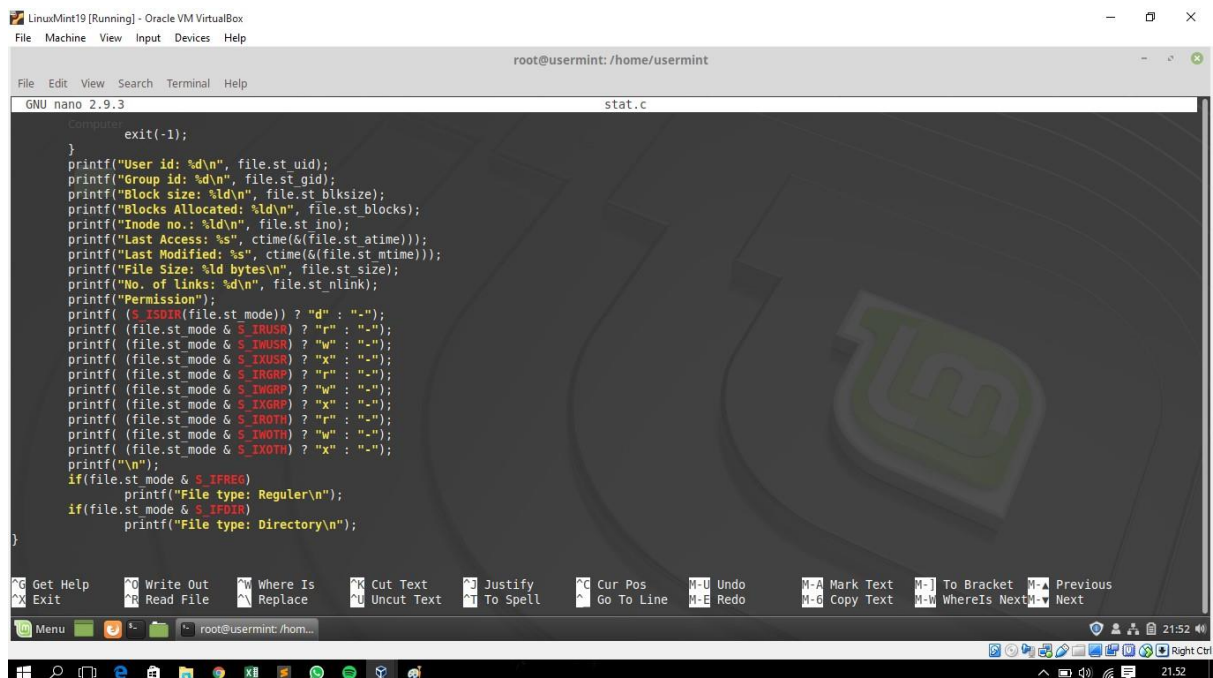
```
LinuxMint19 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

root@usermint: /home/usermint

GNU nano 2.9.3 stat.c

#include <stdio.h>
#include <sys/stat.h>
#include <stdlib.h>
#include <time.h>

int main(int argc, char*argv[]){
    struct stat
    file; int n;
    if(argc!=2){
        printf("Usage: ./a.out <filename>\n");
        exit(-1);
    }
    if ((n = stat(argv[1], &file)) == -1)
    {
        perror(argv[1]);
        exit(-1);
    }
    printf("User id: %d\n", file.st_uid);
    printf("Group id: %d\n", file.st_gid);
    printf("Block size: %ld\n", file.st_blksize);
    printf("Blocks Allocated: %ld\n", file.st_blocks);
    printf("Inode no.: %ld\n", file.st_ino);
    printf("Last Access: %s", ctime(&(file.st_atime)));
    printf("Last Modified: %s", ctime(&(file.st_mtime)));
    printf("File Size: %ld bytes\n", file.st_size);
    printf("No. of links: %d\n", file.st_nlink);
    printf("Permission");
    printf( ($_ISDIR(file.st_mode)) ? "d" : "-");
    printf( (file.st_mode & $_IUSR) ? "r" : "-");
    Read 43 lines
    Get Help Write Out Where Is Cut Text Justify Cur Pos Undo Mark Text To Bracket Previous
    Exit Read File Replace Uncut Text To Spell Go To Line Redo Copy Text WhereIs Next Next
    Menu root@usermint: /hom... 21:52
```



```
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    printf("No. of links: %d\n", file.st_nlink);
    printf("Permission");
    printf( ($_ISDIR(file.st_mode)) ? "d" : "-");
    printf( (file.st_mode & $_IUSR) ? "r" : "-");
    printf( (file.st_mode & $_IUSR) ? "w" : "-");
    printf( (file.st_mode & $_IXUSR) ? "x" : "-");
    printf( (file.st_mode & $_IGRP) ? "r" : "-");
    printf( (file.st_mode & $_IGRP) ? "w" : "-");
    printf( (file.st_mode & $_IXGRP) ? "x" : "-");
    printf( (file.st_mode & $_IROTH) ? "r" : "-");
    printf( (file.st_mode & $_IOTH) ? "w" : "-");
    printf( (file.st_mode & $_IXOTH) ? "x" : "-");
    printf("\n");
    if(file.st_mode & $_IFREG)
        printf("File type: Regular\n");
    if(file.st_mode & $_IFDIR)
        printf("File type: Directory\n");
}

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File Edit View Search Terminal Help

usermint@usermint:~$ sudo su
[sudo] password for usermint:
root@usermint: /home/usermint# nano exec.c
root@usermint: /home/usermint# nano exec.c
root@usermint: /home/usermint# gcc exec.c -o exec
root@usermint: /home/usermint# ./a.out /bin/ls ls
Child process
a.out Desktop dirlist.c Downloads exec.c fork.c Music Public stat.c Videos wait.c
coba.c dirlist Documents exec fork fork.c.save Pictures stat Templates wait
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root@usermint: /home/usermint# ./stat
Usage: ./a.out <filename>
root@usermint: /home/usermint# ./a.out fork.c
Insufficient arguments to load program
Usage: ./a.out <path> <cmd>
root@usermint: /home/usermint# ./a.out fork
Insufficient arguments to load program
Usage: ./a.out <path> <cmd>
root@usermint: /home/usermint# ./a.out wait
Insufficient arguments to load program
Usage: ./a.out <path> <cmd>
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Usage: ./a.out <filename>
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Dirlist.c

```
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File Edit View Search Terminal Help
GNU nano 2.9.3 dirlist.c

#include <stdio.h>
#include <dirent.h>
#include <stdlib.h>

int main(int argc, char *argv[]){
    struct dirent *dptr;
    DIR *dname;

    if(argc != 2){
        printf("Usage: ./a.out <dirname>\n");
        exit(-1);
    }
    if((dname = opendir(argv[1])) == NULL)
    {
        perror(argv[1]);
        exit(-1);
    }
    while(dptr=readdir(dname))
        printf("%s\n", dptr->d_name);

    closedir(dname);
}
```

Read 22 lines

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

Menu root@usermint: /hom... 21:43

```
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exec.c:23:3: warning: missing sentinel in function call [-Wformat=]
    i = execl(argv[1], argv[2], 0);
    ^
root@usermint:/home/usermint# g++ exec.c -std=c++11 -Wformat
root@usermint:/home/usermint# gcc exec.c -o exec
exec.c: In function 'main':
exec.c:23:3: warning: missing sentinel in function call [-Wformat=]
    i = execl(argv[1], argv[2], 0);
    ^
root@usermint:/home/usermint# g++ exec.c -std=c++98 -Wformat
root@usermint:/home/usermint# gcc exec.c -o exec
exec.c: In function 'main':
exec.c:23:3: warning: missing sentinel in function call [-Wformat=]
    i = execl(argv[1], argv[2], 0);
    ^
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root@usermint:/home/usermint# nano exec.c
root@usermint:/home/usermint# nano exec.c
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exec.c: In function 'main':
exec.c:23:3: warning: missing sentinel in function call [-Wformat=]
    i = execl(argv[1], argv[2], 0);
    ^
root@usermint:/home/usermint# nano exec.c
root@usermint:/home/usermint# nano dirlist.c
root@usermint:/home/usermint# gcc dirlist.c -o dirlist
dirlist.c:5:16: error: expected ')' before 'char'
int main(argc, char *argv[]){
               ^
root@usermint:/home/usermint# nano dirlist.c
root@usermint:/home/usermint# gcc dirlist.c -o dirlist
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root@usermint:/home/usermint# ./a.out fork
Insufficient arguments to load program
Usage: ./a.out <path> <cmd>
root@usermint:/home/usermint# ./a.out wait
Insufficient arguments to load program
Usage: ./a.out <path> <cmd>
root@usermint:/home/usermint# ./stat
Usage: ./a.out <filename>
root@usermint:/home/usermint# gcc dirlist.c -o dirlist
root@usermint:/home/usermint#
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