

Nama : Nadya Ayu Widya

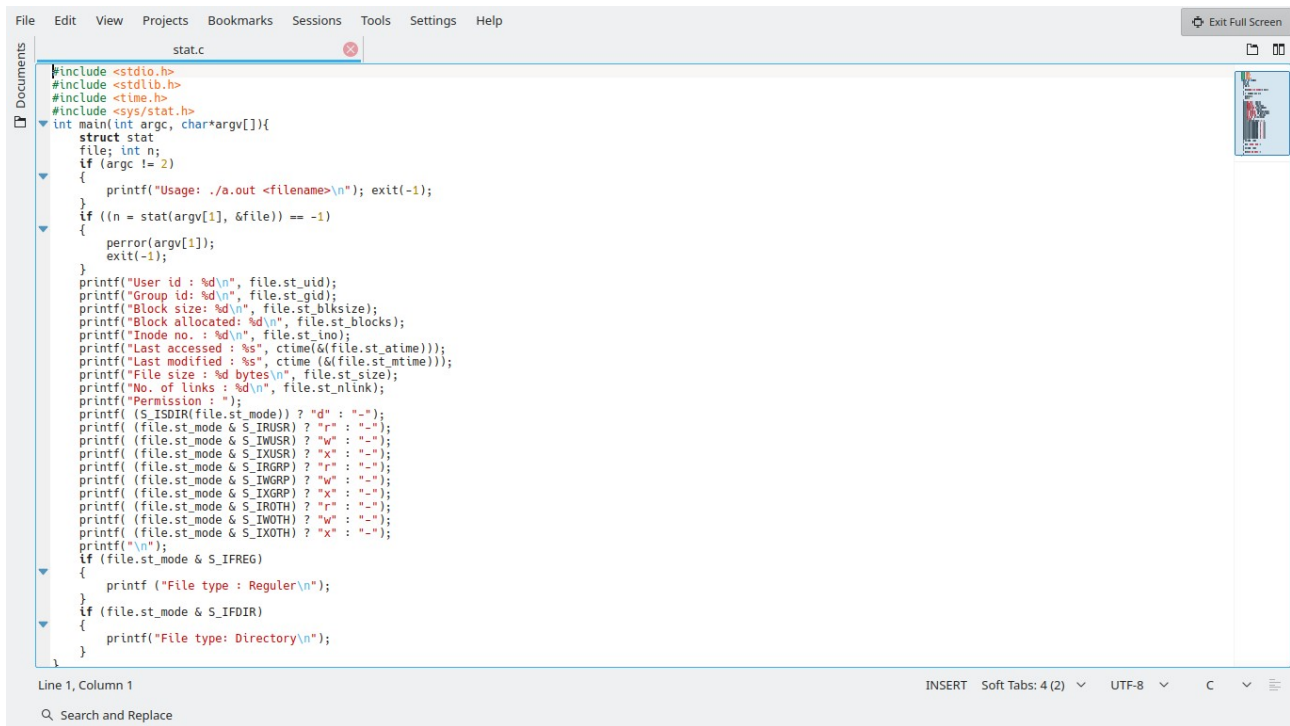
NIM : L200180099

MODUL 8

1. stat.c

```
Downloads : bash — Konsole
File Edit View Bookmarks Settings Help
nayu@lutfi:~$ gcc stat.c
gcc: error: stat.c: No such file or directory
gcc: fatal error: no input files
compilation terminated.
nayu@lutfi:~$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
nayu@lutfi:~$ cd downloads
bash: cd: downloads: No such file or directory
nayu@lutfi:~$ cd Downloads
nayu@lutfi:~/Downloads$ gcc stat.c
stat.c: In function 'main':
stat.c:19:27: warning: format '%d' expects argument of type 'int', but argument 2 has type '__blksize_t {aka long
int}' [-Wformat=]
printf("Block size id : %d\n", file.st_blksize);
                        ^~
                        %ld
stat.c:20:29: warning: format '%d' expects argument of type 'int', but argument 2 has type '__blkcnt_t {aka long
int}' [-Wformat=]
printf("Block 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 uns
igned 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 u
nsigned int}' [-Wformat=]
printf("No. of links : %d\n", file.st_nlink);
                        ^~
                        %ld
nayu@lutfi:~/Downloads$ ./a/out stat.c
```

```
Downloads : bash — Konsole
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nayu@lutfi:~/Downloads$ gcc stat.c
stat.c: In function 'main':
stat.c:19:27: warning: format '%d' expects argument of type 'int', but argument 2 has type '__blksize_t {aka long
int}' [-Wformat=]
printf("Block size id : %d\n", file.st_blksize);
                        ^~
                        %ld
stat.c:20:29: warning: format '%d' expects argument of type 'int', but argument 2 has type '__blkcnt_t {aka long
int}' [-Wformat=]
printf("Block 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 uns
igned 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 u
nsigned int}' [-Wformat=]
printf("No. of links : %d\n", file.st_nlink);
                        ^~
                        %ld
nayu@lutfi:~/Downloads$ ./a/out stat.c
bash: ./a/out: No such file or directory
nayu@lutfi:~/Downloads$ ./a.out stat.c
User id : 1001
Group id : 1002
Block size id : 4096
Block allocated : 8
Inode no. : 1180248
Last accessed : Mon Dec 2 19:36:20 2019
Last modified : Mon Dec 2 19:32:02 2019
File size : 1371 bytes
No. of links : 1
Permission : -rw-rw-r--
File type : Regular
nayu@lutfi:~/Downloads$
```



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

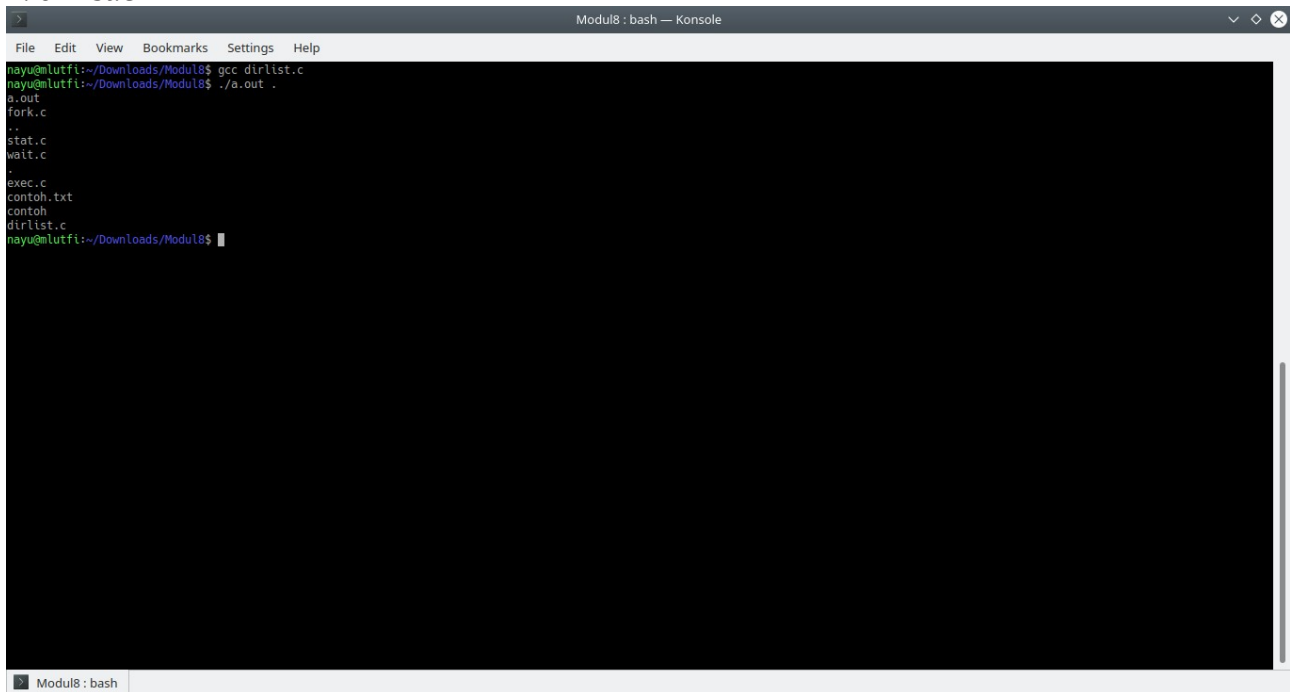
int main(int argc, char*argv[]){
    struct stat
    file; int n;
    if (argc != 2)
    {
        printf("Usage: ./a.out <filename>\n"); exit(-1);
    }
    if ((n = stat(argv[1], &file)) == -1)
    {
        perror(argv[1]);
        exit(-1);
    }
    printf("User id : %d\n", file.st_uid);
    printf("Group id: %d\n", file.st_gid);
    printf("Block size: %d\n", file.st_blksize);
    printf("Block allocated: %d\n", file.st_blocks);
    printf("Inode no. : %d\n", file.st_ino);
    printf("Last accessed : %s", ctime(&file.st_atime));
    printf("Last modified : %s", ctime (&file.st_mtime));
    printf("File size : %d bytes\n", file.st_size);
    printf("No. of links : %d\n", file.st_nlink);
    printf("Permission : ");
    printf( (S_ISDIR(file.st_mode)) ? "d" : "-");
    printf( (file.st_mode & S_IRUSR) ? "r" : "-");
    printf( (file.st_mode & S_IWUSR) ? "w" : "-");
    printf( (file.st_mode & S_IXUSR) ? "x" : "-");
    printf( (file.st_mode & S_IRGRP) ? "r" : "-");
    printf( (file.st_mode & S_IWGRP) ? "w" : "-");
    printf( (file.st_mode & S_IXGRP) ? "x" : "-");
    printf( (file.st_mode & S_IROTH) ? "r" : "-");
    printf( (file.st_mode & S_IWOTH) ? "w" : "-");
    printf( (file.st_mode & S_IXOTH) ? "x" : "-");
    printf("\n");
    if (file.st_mode & S_IFREG)
    {
        printf ("File type : Regular\n");
    }
    if (file.st_mode & S_IFDIR)
    {
        printf("File type: Directory\n");
    }
}
```

Line 1, Column 1

INSERT Soft Tabs: 4 (2) UTF-8 C

Search and Replace

2. dirlist.c



```
Modul8 : bash — Konsole
File Edit View Bookmarks Settings Help
nayu@lutfi:~/Downloads/Modul8$ gcc dirlist.c
nayu@lutfi:~/Downloads/Modul8$ ./a.out .
a.out
fork.c
..
stat.c
wait.c
.
exec.c
conth.txt
conth
dirlist.c
nayu@lutfi:~/Downloads/Modul8$
```

Modul8 : bash

