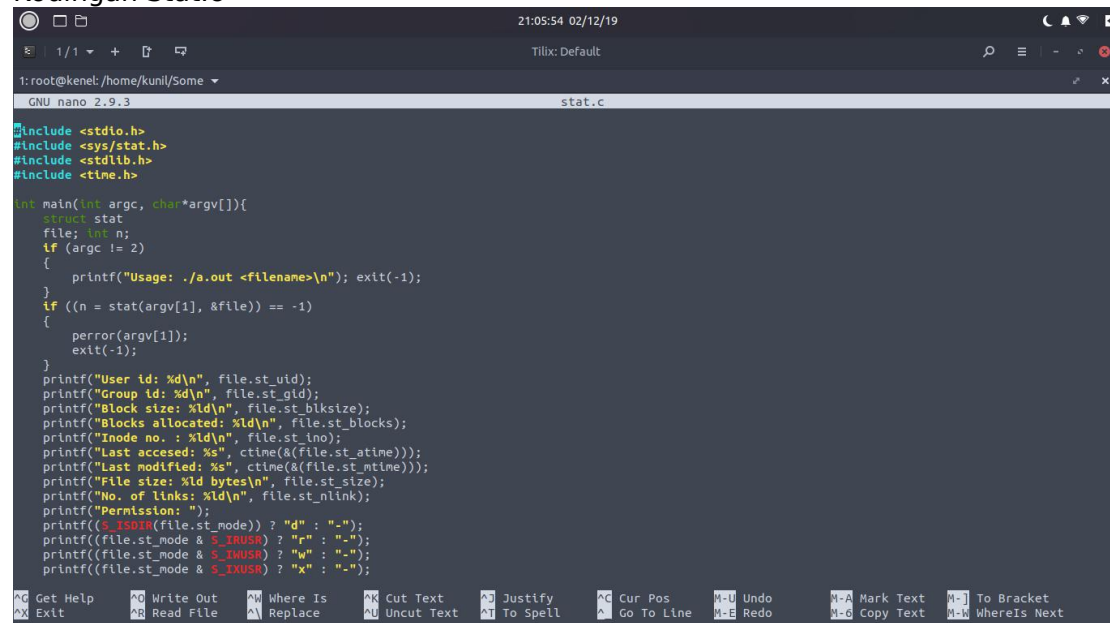


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NIM: L200180133
Kelas: C

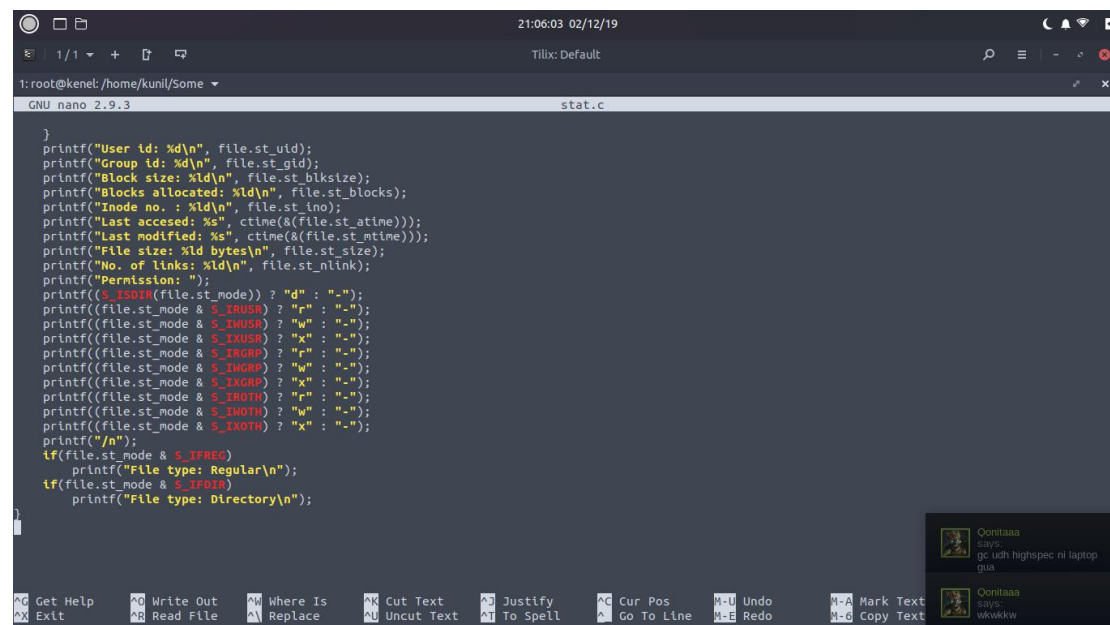
Kodingan Stat.c



```
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 accessed: %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: %ld\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" : "-");
    ^G Get Help      ^O Write Out      ^W Where Is      ^K Cut Text      ^J Justify      ^C Cur Pos      ^U Undo      ^A Mark Text      ^_ To Bracket
    ^X Exit          ^R Read File      ^M Replace       ^L Uncut Text    ^T To Spell     ^G Go To Line   ^E Redo        ^-6 Copy Text    ^-7 WhereIs Next
```



```
        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 accessed: %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: %ld\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");
    }
}
```

Kodingan dirlist.c

```
1:root@kenel:/home/kunil/Some
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
Exit Read File Replace Uncut Text To Spell Go To Line Redo Copy Text WhereIs Next

Output

```
1:root@kenel:/home/kunil/Some
kunil@kenel:~$ sudo su
[sudo] password for kunil:
root@kenel:/home/kunil# cd Some
root@kenel:/home/kunil/Some# gcc stat.c
root@kenel:/home/kunil/Some# ./a.out stat.c
User id: 1000
Group id: 1000
Block size: 4096
Blocks allocated: 8
Inode no. : 21250625
Last accessed: Mon Dec  2 11:28:16 2019
Last modified: Mon Dec  2 11:25:39 2019
File size: 1475 bytes
No. of links: 1
Permission: -rw-rw-r--/nFile type: Regular
root@kenel:/home/kunil/Some# gcc dirlist.c
root@kenel:/home/kunil/Some# ./a.out dirlist.c
dirlist.c: Not a directory
root@kenel:/home/kunil/Some#
```