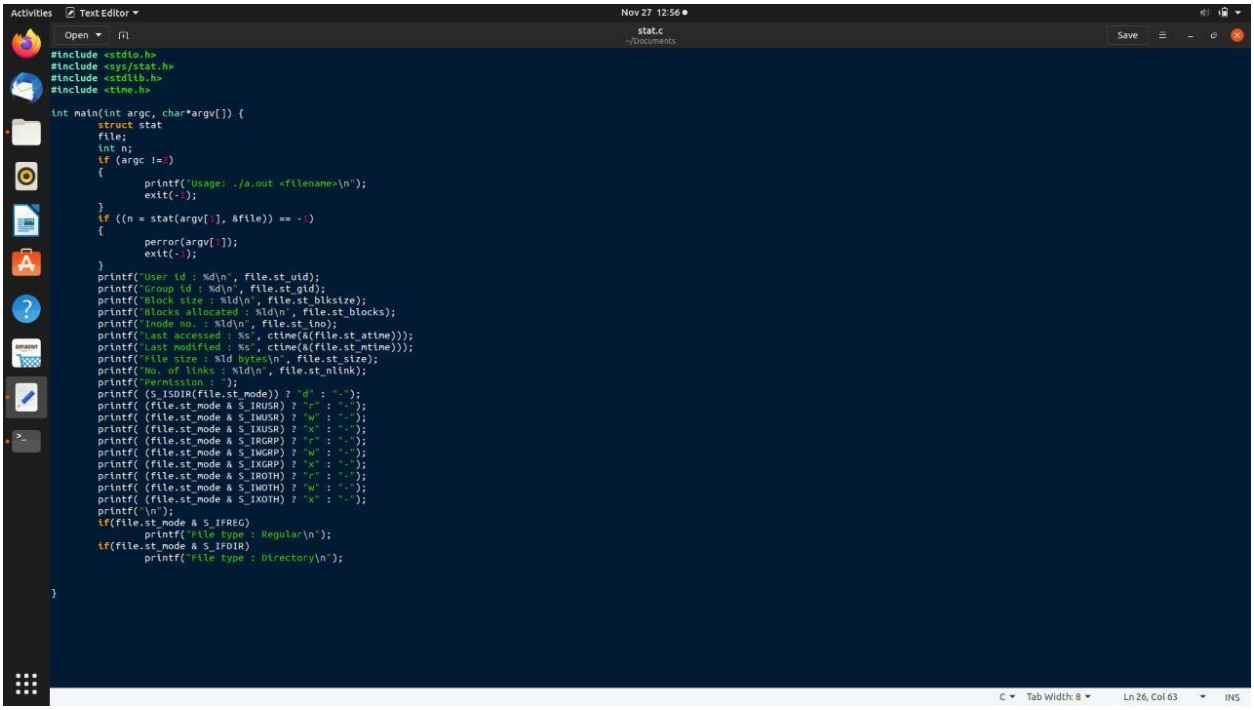
Nama : Raihan Mazarul

NIM : L200180162

Kelas : D

Lanjutan Modul 8

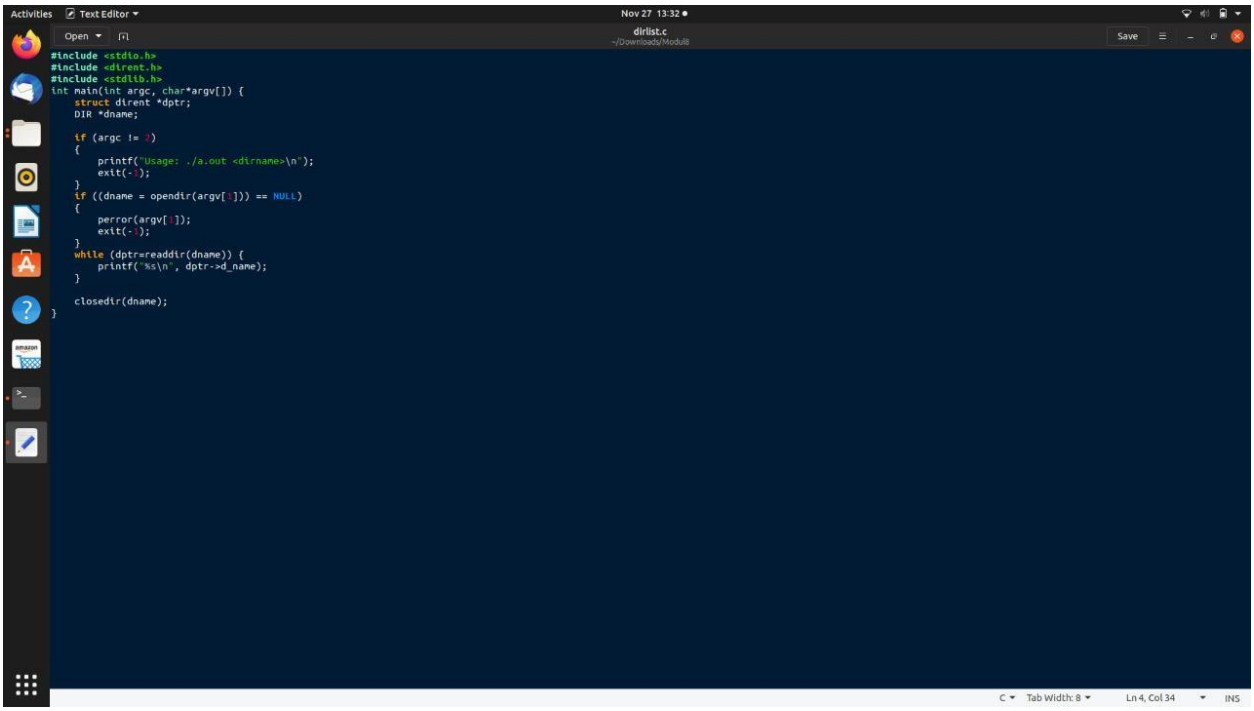



```
#include <stdio.h>
#include <sys/stat.h>
#include <stdlib.h>
#include <time.h>

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" : "-");
        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");


}
```

```
dhimas@dhimas:~/Documents$ gcc stat.c
dhimas@dhimas:~/Documents$ ./a.out
Usage: ./a.out <filename>
dhimas@dhimas:~/Documents$ ./a.out /bin/ls ls
Usage: ./a.out <filename>
dhimas@dhimas:~/Documents$
```


Activities
Text Editor
Nov 27 13:32
Open
dirlist.c
~/Downloads/Modul8
Save
#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);
}
C
Tab Width: 8
Ln 4, Col 34
INS

dhimas@dhimas:~/Documents$ gcc dirlist.c
dhimas@dhimas:~/Documents$ ls
a.out dirlist.c 'Modul 9' sadf.c stat.c
dhimas@dhimas:~/Documents$ ./a.out
Usage: ./a.out <dirname>
dhimas@dhimas:~/Documents$ ./a.out /bin/ls ls
Usage: ./a.out <dirname>
dhimas@dhimas:~/Documents$