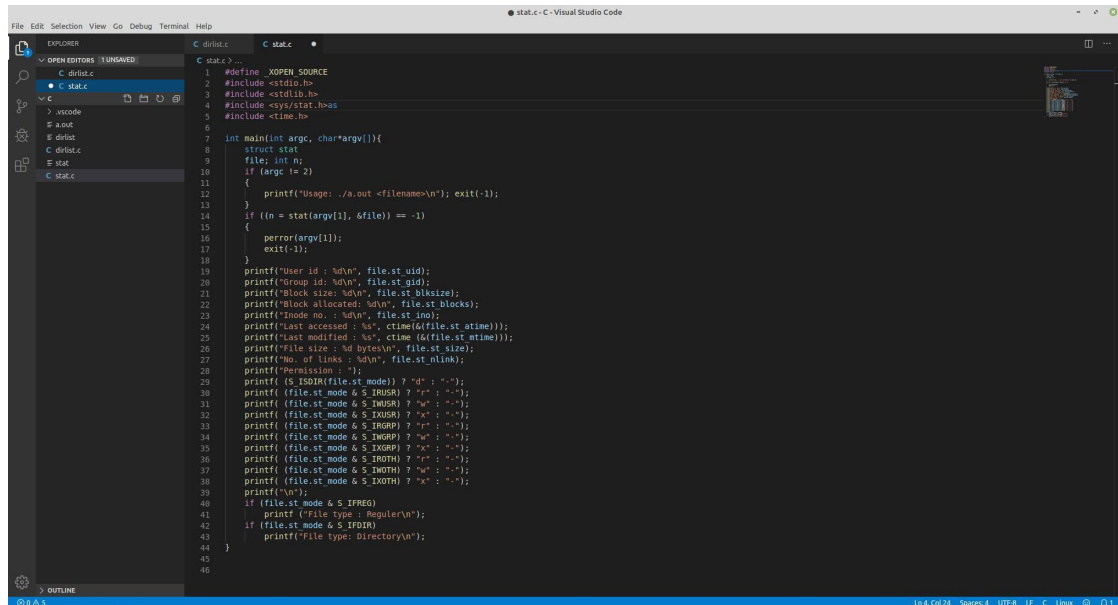


SO MODUL 8

Nama: Brian Aditya Hermansyah

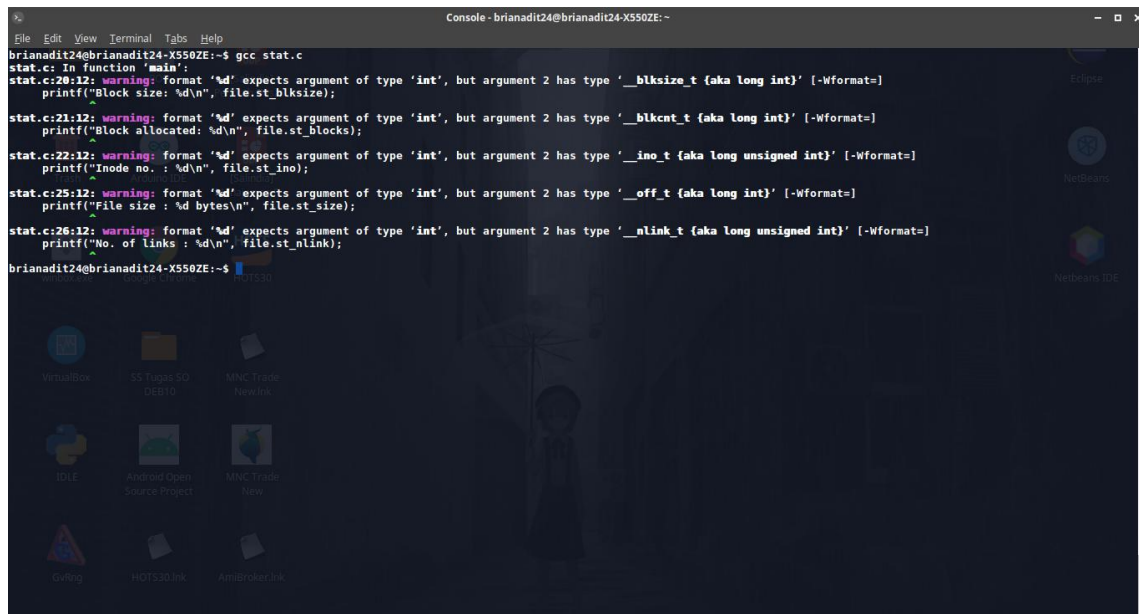
NIM : L200180116

● Compile stat.c



```
1 #define _XOPEN_SOURCE
2 #include <stdio.h>
3 #include <stdlib.h>
4 #include <sys/stat.h>
5 #include <time.h>
6
7 int main(int argc, char*argv[]){
8     struct stat
9     file; int n;
10     if (argc != 2)
11     {
12         printf("Usage: ./a.out <filename>\n"); exit(-1);
13     }
14     if ((n = stat(argv[1], &file)) == -1)
15     {
16         perror(argv[1]);
17         exit(-1);
18     }
19     printf("User id : %d\n", file.st_uid);
20     printf("Group id: %d\n", file.st_gid);
21     printf("Block size: %d\n", file.st_blksize);
22     printf("Block allocated: %d\n", file.st_blocks);
23     printf("Inode no. : %d\n", file.st_ino);
24     printf("Last accessed : %s", ctime(&file.st_atime));
25     printf("Last modified : %s", ctime(&file.st_mtime));
26     printf("File size : %d bytes\n", file.st_size);
27     printf("No. of links : %d\n", file.st_nlink);
28     printf("Permission : ");
29     printf("S_ISDIR(file.st_mode) ? 'd' : '-');
30     printf(" (file.st_mode & S_IRUSR) ? 'r' : '-');
31     printf(" (file.st_mode & S_IWUSR) ? 'w' : '-');
32     printf(" (file.st_mode & S_IXUSR) ? 'x' : '-');
33     printf(" (file.st_mode & S_IRGRP) ? 'r' : '-');
34     printf(" (file.st_mode & S_IWGRP) ? 'w' : '-');
35     printf(" (file.st_mode & S_IXGRP) ? 'x' : '-');
36     printf(" (file.st_mode & S_IROTH) ? 'r' : '-');
37     printf(" (file.st_mode & S_IWOTH) ? 'w' : '-');
38     printf(" (file.st_mode & S_IXOTH) ? 'x' : '-');
39     printf("\n");
40     if (file.st_mode & S_IFREG)
41     { printf("File type : Regular\n");
42       if (file.st_mode & S_IFDIR)
43       { printf("File type: Directory\n");
44       }
45     }
46 }
```

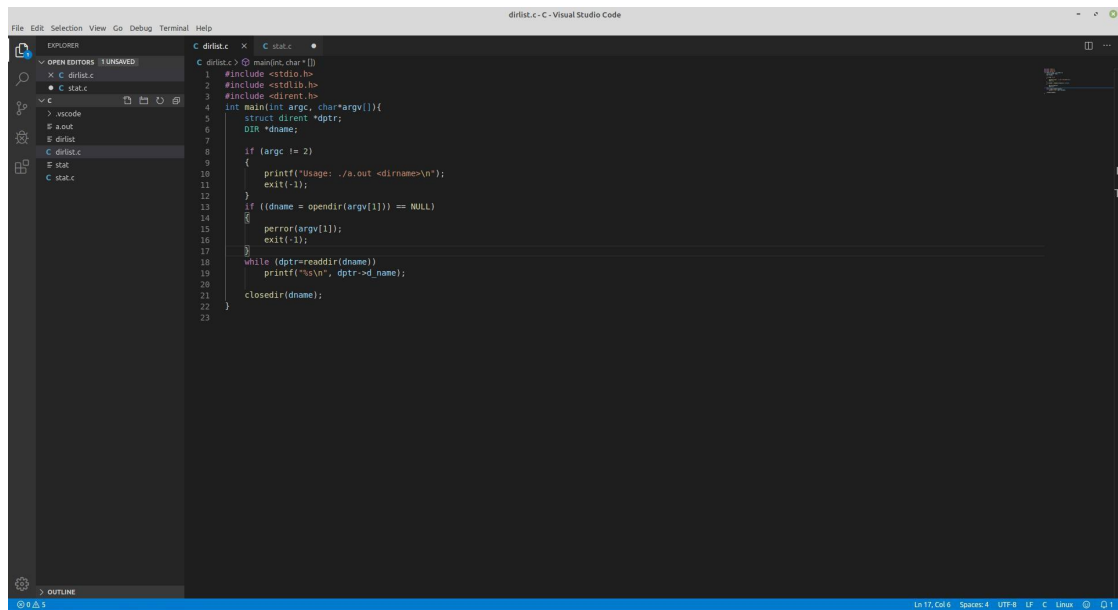
(Kode Program stat.c)



```
brianadit24@brianadit24-X550ZE:~$ gcc stat.c
stat.c: In function 'main':
stat.c:20:12: warning: format '%d' expects argument of type 'int', but argument 2 has type '_blksize_t {aka long int}' [-Wformat=]
printf("Block size: %d\n", file.st_blksize);
^
stat.c:21:12: 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);
^
stat.c:22:12: warning: format '%d' expects argument of type 'int', but argument 2 has type '__ino_t {aka long unsigned int}' [-Wformat=]
printf("Inode no. : %d\n", file.st_ino);
^
stat.c:25:12: 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);
^
stat.c:26:12: warning: format '%d' expects argument of type 'int', but argument 2 has type '__nlink_t {aka long unsigned int}' [-Wformat=]
printf("No. of links : %d\n", file.st_nlink);
^
brianadit24@brianadit24-X550ZE:~$
```

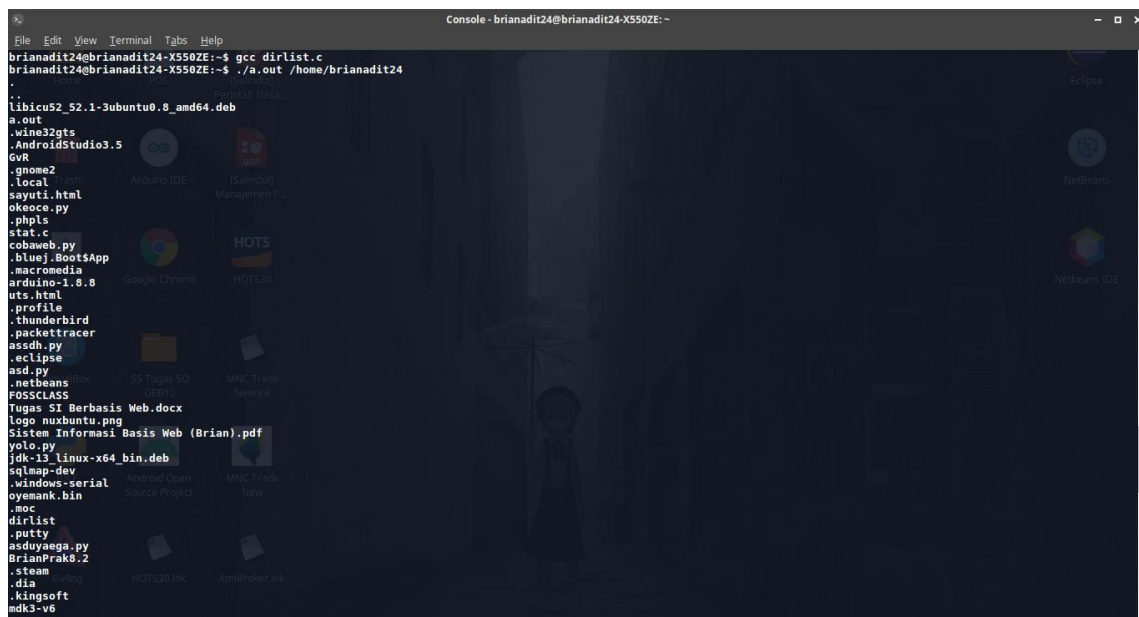
(Hasil compile kode program stat.c)

● Mengcompile dirlist.c



```
1 #include <stdio.h>
2 #include <stdlib.h>
3 #include <dirent.h>
4 int main(int argc, char*argv[]){
5     struct dirent *dptr;
6     DIR *dname;
7
8     if (argc != 2)
9     {
10         printf("Usage: ./a.out <dirname>\n");
11         exit(-1);
12     }
13     if ((dname = opendir(argv[1])) == NULL)
14     {
15         perror(argv[1]);
16         exit(-1);
17     }
18     while (dptr=readdir(dname))
19         printf("%s\n", dptr->d_name);
20     closedir(dname);
21 }
22
23
```

(Kode Program dirlist.c)



```
brianadit24@brianadit24-X550ZE:~$ gcc dirlist.c
brianadit24@brianadit24-X550ZE:~$ ./a.out /home/brianadit24
.
..
Libicus52_52.1-3ubuntu0.8_amd64.deb
a.out
.wine32gts
.AndroidStudio3.5
GvR
.gnome2
.local
sayuti.html
okeoce.py
.phpls
stat.c
cobaweb.py
.bluej.Boot$App
.macromedia
arduino-1.8.8
uts.html
.profile
.thunderbird
.packettracer
asdch.py
.eclipse
asd.py
.netbeans
POSSCLASS
Tugas SI Berbasis Web.docx
logo nuxbuntu.png
Sistem Informasi Basis Web (Brian).pdf
yolo.py
jdk-13 linux-x64_bin.deb
sqlmap-dev
.windows-serial
oyemank.bin
.moc
dirlist
.putty
asduyaega.py
BrianPrak8.2
.steam
.dia
.kingsoft
mdk3-v6
```

(Hasil compile kode program dirlist.c)