

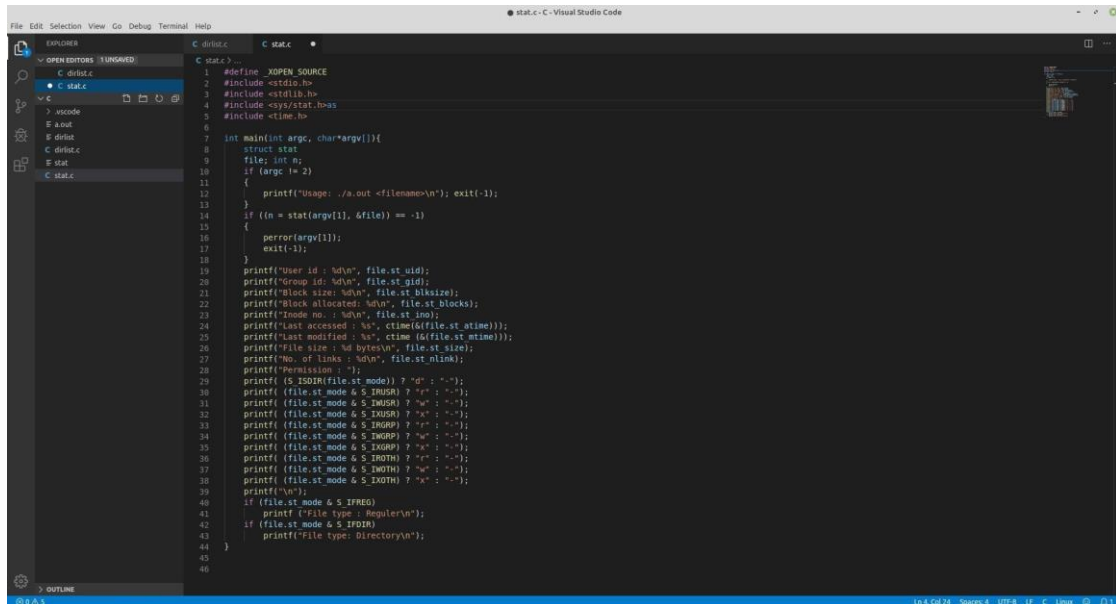
PRAKTIKUM SISTEM OPERASI

MODUL 8

Nama : Pasha Bhimasty

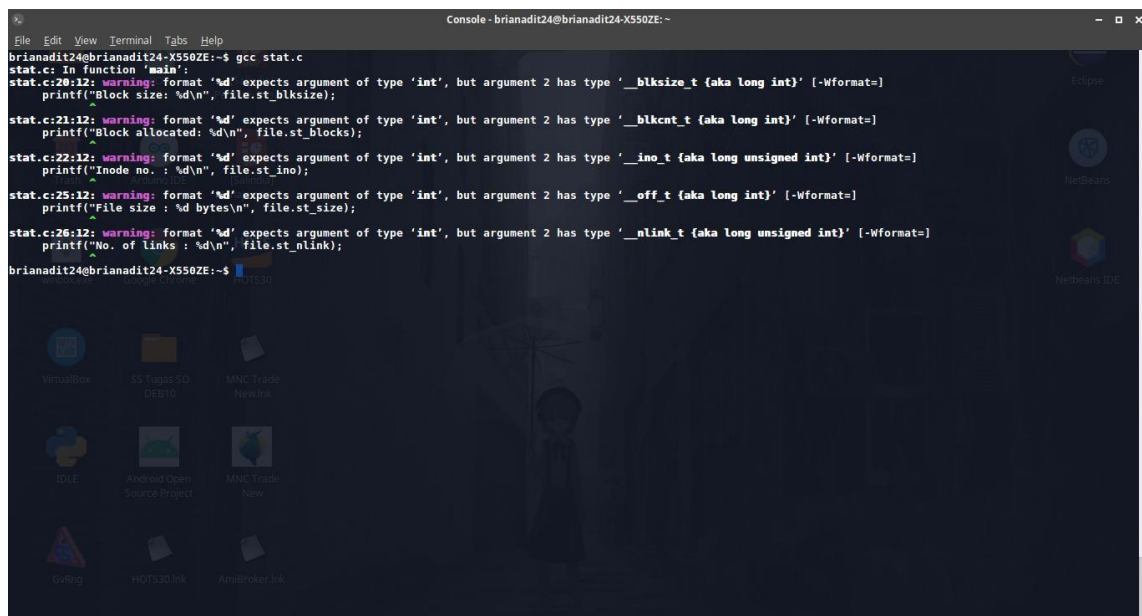
NIM : L200180123

- 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 R;
10    if (argc != 2)
11    {
12        printf("Usage: ./a.out <filename>\n"); exit(-1);
13    }
14    if ((R = 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("Permissions : %s",
29        printf(" (%SISIR(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    }
```

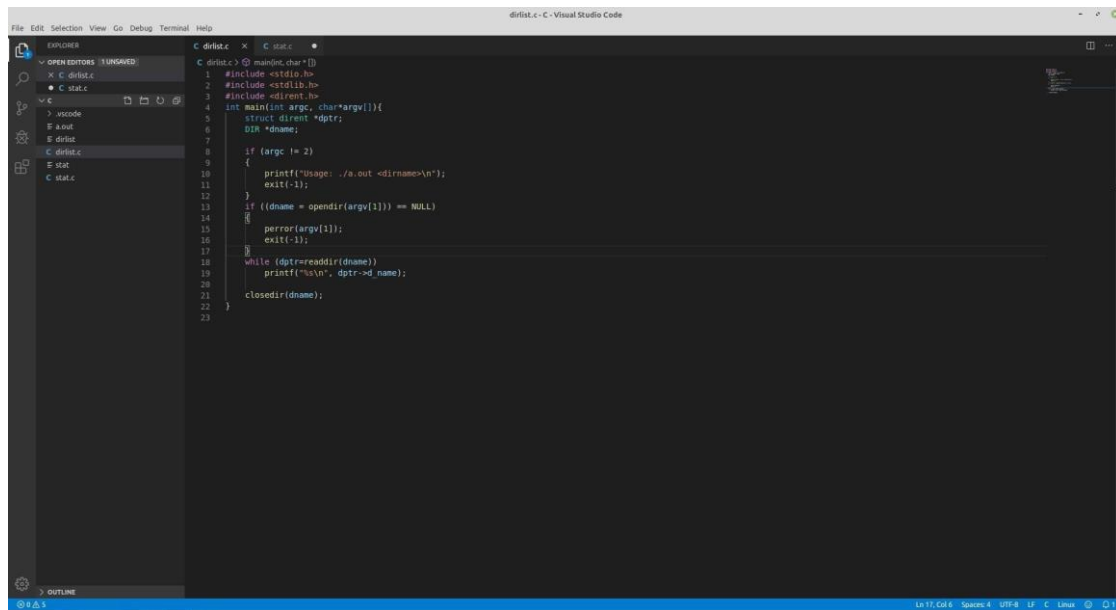
Kode Program stat.c



```
Console - brianadit24@brianadit24-X550ZE: ~
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

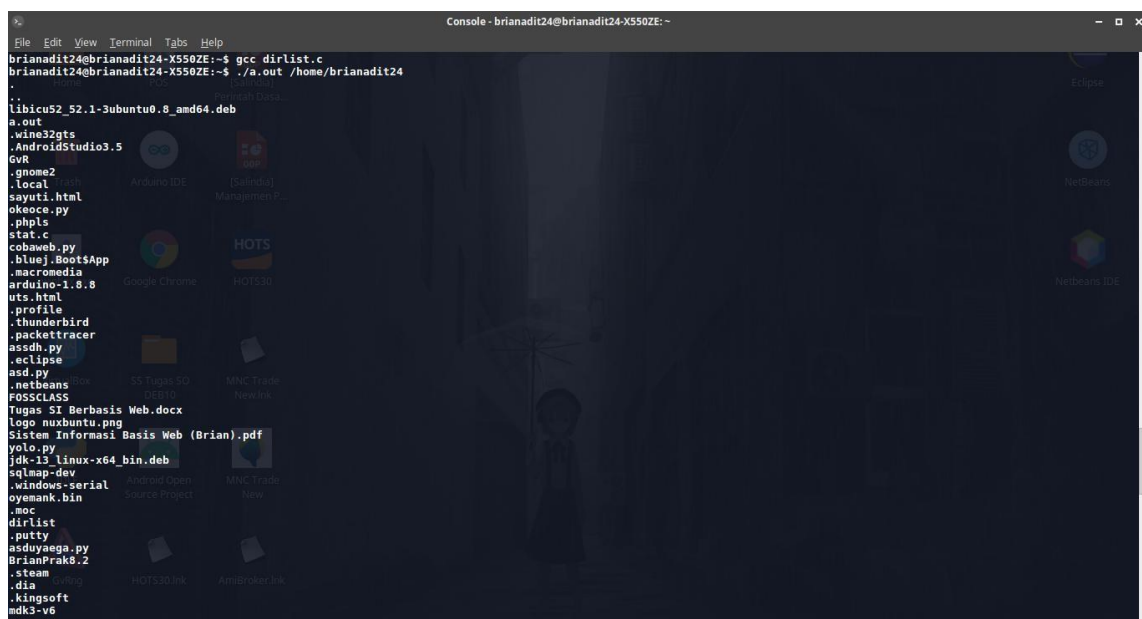


```

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     {
20         printf("%s\n", dptr->d_name);
21     }
22     closedir(dname);
23 }

```

Kode Program dirlist.c



```

brianadit24@brianadit24-X550ZE:~$ gcc dirlist.c
brianadit24@brianadit24-X550ZE:~$ ./a.out /home/brianadit24
.
..
libicu52_52.1-3ubuntu0.8_amd64.deb
a.out
.wine32gts
.AndroidStudio3.5
GwR
.gnome2
.local
sayuti.html
okeoce.py
.php1s
stat.c
cobaweb.py
.bluej.BootsApp
.macromedia
arduino-1.8.8
uts.html
.profile
.thunderbird
.packettracer
asdsh.py
.eclipse
asd.py
.netbeans
FOSSCLASS
Tugas SI Berbasis Web.docx
logo nuxbuntu.png
Sistem Informasi Basis Web (Brian).pdf
yolo.py
jdk-15_linux-x64_bin.deb
sqlmap-dev
.windows-serial
oyemank.bin
.doc
dirlist
.putty
asduyaega.py
BrianPrak0.2
.steam
.dia
.kingsoft
mdk3-vo

```

Hasil compile kode program dirlist.c